



## Check Valves Range

## Conex Bänninger Check Valves

Compact, simple and cost effective, the Conex Bänninger Check Valve works automatically to keep water flowing in one direction and prevents any reverse flow in a system. The force of flow, in the correct direction, opens the valves whilst backflow forces the valve closed.

The Conex Bänninger range includes:

- Double Check Valves
- Horizontal Lift Check Valves
- Spring Check Non-Return Valves
- Foot Valves
- Swing Check Valves (brass and bronze versions)

### Double Check Valves

The Conex Bänninger Double Check Valve consists of two check valve assemblies in series. This employs two operating principles: Firstly, one check valve will still act, even if the other is jammed wide open. Secondly, the closure of one valve reduces the pressure differential across the other, allowing a more reliable seal and avoiding even minor leakage. Double Check Valves are designed specifically to prevent contamination in drinking water systems. These valves are designed in accordance with EN 13959: 2004 Family E, type D.

### Horizontal Lift Check Valves

Conex Bänninger Horizontal Lift Check Valves are suitable for installation in horizontal or vertical pipelines with upward flow. Flow to lift check valves must always enter below the seat. Lift check valves are particularly suitable for high-pressure service where velocity of flow is high or in conditions where pulsating action in the line may cause excessive wear in swing check type valves. This type of check valve is commonly used in piping systems in which globe valves are used as flow control valves.

### Spring Check Non-Return Valves

Spring Check Non-Return Valves are simple, low cost but effective products providing back flow protection. As these products are fitted with a resilient seat they are suitable for use in systems for air, gas or low pressure applications where bubble tight closure is necessary.

### Foot Valves

Foot Valve assemblies comprise a spring check non-return valve fitted with a strainer screen on the inlet side. These products are most often used in connection with drawing fluid from a well, tank or reservoir. The screen prevents soil, dirt and debris getting in the system, thus protecting the valves further along the pipe.

### Swing Check Valves

Swing Check Valves are used for water and other liquids. Swing Check Valves can be installed in horizontal or vertical upward flow pipe systems. For low pressure applications and for air or gas systems where bubble tight closure is necessary, the valve should be fitted with a rubber faced seal. The current range does not include this facility but such a feature can be made available to special order.

### Applications and uses

Conex Bänninger Check Valve range is available for use with water, oil and air up to 5 bar. The Double Check Valve is specifically designed for use with drinking water and should be used in domestic applications to protect drinking water supply systems from contamination.

Conex Bänninger Check Valves are approved for drinking water applications where stated and are suitable for low temperature hot water and chilled systems.

**Valve materials**

Valves made from yellow brass are suitable for general purpose applications. They are not recommended for chilled water systems because of a risk of stress corrosion cracking or waters which may result in dezincification.

Valves made from DZR brass are suitable for applications where they may be subjected to waters which are very hard and contain high salt levels. Waters which contain high levels of some chlorides, sulphides or carbon dioxide, may also cause dezincification.

Valves made from bronze are suitable for a broad range of application areas as they are classed as immune to dezincification, stress corrosion cracking and are highly corrosion resistant.

**Quality assurance**

Conex Universal is an ISO 9001 Quality Assured company and is registered with the BSI.

**5-year warranty**

When professionally fitted and in accordance with the installation instructions, Conex Banninger valves are guaranteed against manufacturing defects for five years from first purchase date.

Any alleged defects must be reported to Conex Universal Ltd within one month of the first occurrence, clearly setting out the nature of the claim. The warranty is limited to the repair and replacement of defective fittings at the discretion of Conex Universal Ltd and the company reserves the right to inspect and test the alleged defects. This warranty provided by Conex Universal Ltd does not affect your statutory rights. For more information visit [www.conexbanninger.com](http://www.conexbanninger.com).

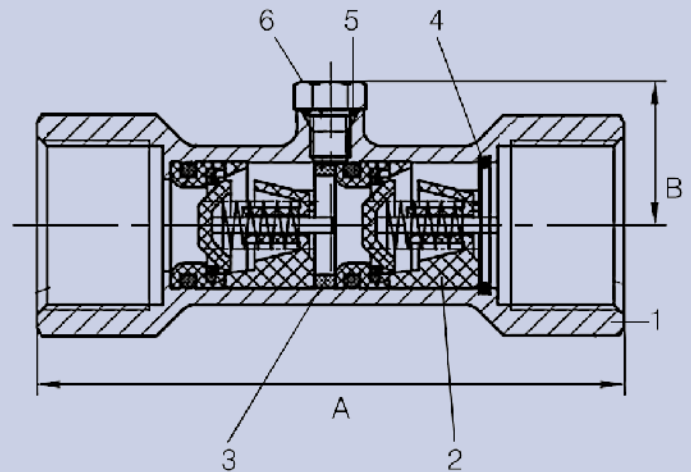
**General information**

Performance data, including pressure-temperature ratings has been developed from published standards, supplier material specifications, design calculations and in-house testing. It covers typical applications for the Conex Bänninger valve product range and is provided as a general guideline.

For specific applications, users are advised to contact Conex Universal Ltd for technical advice, or to complete their own evaluation to prove technical suitability of the products. Failure to follow this may result in damage and personal injury for which Conex Universal Ltd cannot be held liable.

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## Valve range

1340 Double Check Valve - PN16 - (DZR)

### Material specification

1340 - 1/2" - 2"

No	Component	Material	Specification
1	Body	DZR Brass	EN 12165 CW602N
2	Check Spool	Acetal	Acetal
3	Retaining Ring	Nylon	Nylon 66
4	Clip	Stainless steel	ISO.15510
5	O-ring	EPDM	EN 2430:1995
6	Inspection Port	DZR Brass	EN 12164 CW602N

### Features and benefits:

- Designed in accordance with EN 13959, family E, type D.
- WRAS approved for drinking water applications.
- End connections, ISO 228 parallel threads, female ends.
- PN16 from -10° to +85°C.
- Suitable for low temperature hot water and chilled systems.
- Prevents backflow.
- Drain screw / inspection port.

### Double Check Valve - 1340

Order Code ISO 228	Size	DN	A	B	KV Value	Weight (Kg)
134050FF0160404	1/2"	15	70	17	2.7	0.10
134050FF0160606	3/4"	20	85	20	4.8	0.17
134050FF0160808	1"	25	100	23	10	0.27
134050FF0161010	1 1/4"	32	120	26	19.6	0.40
134050FF0161212	1 1/2"	40	138	30	35.5	0.58
134050FF0161616*	2"	50	183	36	-	1.30

\* Valve available to special order.

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1340	x	✓	✓	x	x	x	x	x	x

### Max. working parameters

1340	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +85	16	230

### Specification clauses:

Designed in accordance with EN 13959.

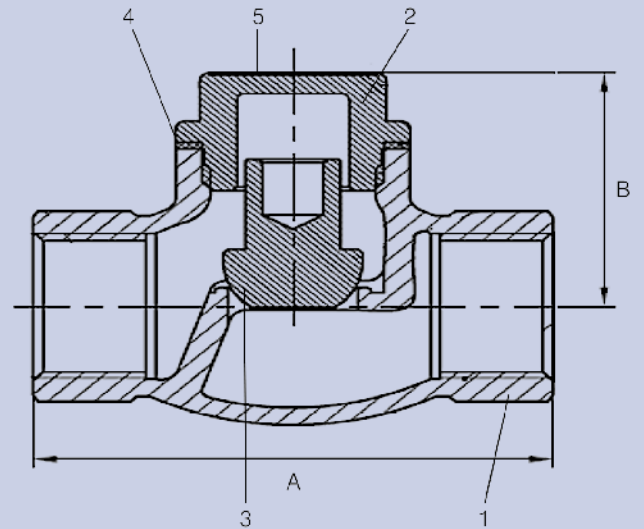
WRAS approved for drinking water applications.

Suitable for low temperature hot water and chilled systems.

Prevents backflow.

End connections, ISO 228 parallel threads, female ends.

Inspection port.



## Valve range

1360 Horizontal Lift Check Valve - PN32 - (Bronze)

### Material specification

1360 - 1/2" - 2"

No	Component	Material	Specification
1	Body	Bronze	EN 1982 CC491K
2	Cap	Bronze	EN 1982 CC491K
3	Disc	Bronze	EN 1982 CC491K
4	Gasket Seal	PTFE	PTFE
5	ID Disc	Aluminium	EN 1706 LM6

### Features and benefits:

- Designed in accordance with EN 5154.
- Suitable for water, oil and oil free air applications.
- Suitable for low temperature hot water and chilled systems.
- WRAS approved for drinking water applications.
- Metal to metal seat.
- Seating disc guided inside cap.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

### Horizontal Lift Check Valve - 1360

Order Code EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	KV Value	Weight (Kg)
136020RR0320404	136020FF0320404	1/2"	15	60	34	-	0.28
136020RR0320606	136020FF0320606	3/4"	20	75	42	-	0.44
136020RR0320808	136020FF0320808	1"	25	85	46	12.3	0.60
136020RR0321010	136020FF0321010	1 1/4"	32	100	51	-	1.14
136020RR0321212	136020FF0321212	1 1/2"	40	110	54	-	1.46
136020RR0321616	136020FF0321616	2"	50	120	72	-	2.57

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1360	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1360	Temperature °C	Pressure Bar	Pressure psi
Water	-10 to +100	32	460

### Specification clauses:

Valves are designed in accordance with EN 5154.

WRAS approved for drinking water applications.

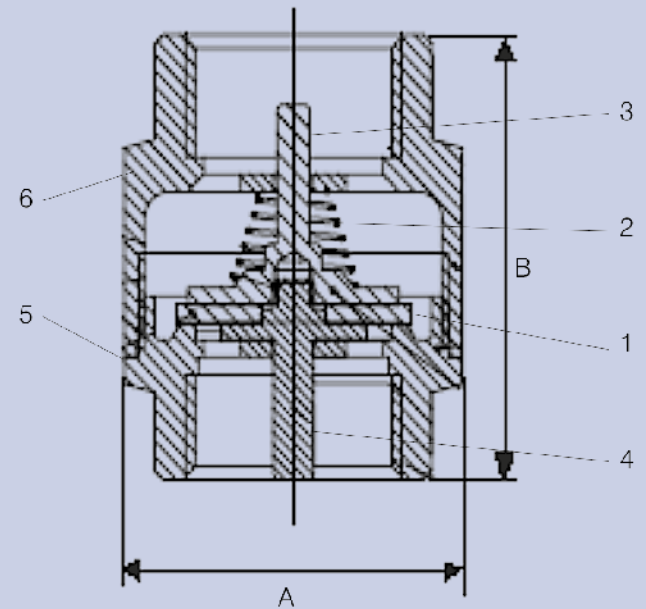
Suitable for low temperature hot water and chilled systems.

Disc is spherical shaped, guided in the cap.

Body seat is integral.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.





## Valve range

1451 Spring Check Non Return Valve - PN10/12 - (Brass)

### Material specification

1451 - 1/2" - 2"

No	Component	Material	Specification
1	Seat	EPDM	EN 2430:1995
2	Spring	Stainless Steel	ISO.15510
3	Spindle core (Upstream)	Brass	EN 12165 CW617N-DW
4	Spindle core (Downstream)	Brass	EN 12165 CW617N-DW
5	Bonnet	Brass	EN 12165 CW617N-DW
6	Body	Brass	EN 12165 CW617N-DW



### Features and benefits:

- WRAS approved for drinking water applications.
- Brass core for improved strength and performance.
- PN12 up to 1", PN10 above 1".
- End connections, female parallel threads to ISO 228 female ends.
- Suitable for low temperature hot water systems.

### Spring Check Non Return Valve - 1451

Order Code ISO 228 thread	Size	DN	A	B	KV Value	Weight (Kg)
145110FF0120404	1/2"	15	48	33	2.4	0.14
145110FF0120606	3/4"	20	51	42	3.3	0.24
145110FF0120808	1"	25	59	47	-	0.27
145110FF0101010	1 1/4"	32	72	59	17.2	0.52
145110FF0101212	1 1/2"	40	83	67	36.5	0.74
145110FF0101616	2"	50	92	83	52.7	1.06

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air* (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1451	x	✓	✓	✓	✓	x	x	x	x

\*Limited to 5 bar max.

This valve is not suitable for gas applications.

### Max. working parameters

1451	Size	Temperature °C	Pressure bar	Pressure psi	Min. operating pressure bar
Water	1/2" – 1"	-10 to +100	12	174	-0.002 to +0.04
Water	1 1/4" - 2"	-10 to +100	10	145	-0.002 to +0.04

Not suitable for temperatures above +100°C.

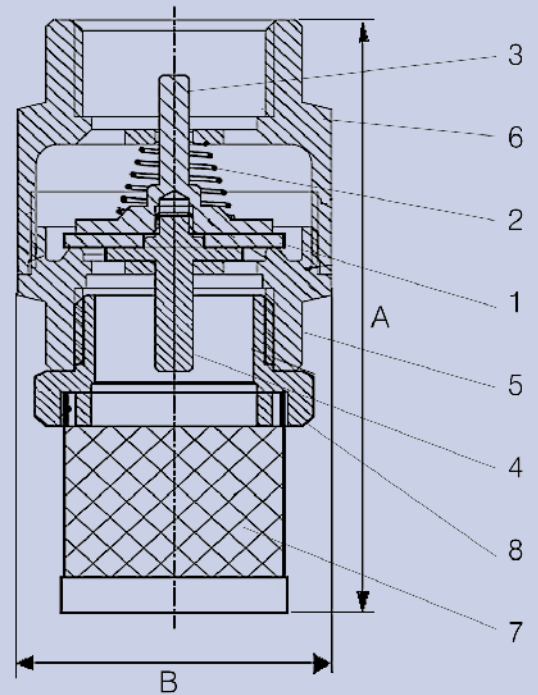
### Specification clauses:

WRAS approved for drinking water applications.

Suitable for low temperature hot water systems.

End connections, female parallel threads to ISO 228 female ends.

Brass core for improved strength and performance.



## Valve range

1461 Foot Valve - PN10/PN12 - (Brass)

### Material specification

1461 - 1/2" - 2"

No	Component	Material	Specification
1	Seat	EPDM	EN 2430:1995
2	Spring	Stainless Steel	ISO.15510
3	Spindle Core (Upstream)	Brass	EN 12165 CW617N-DW
4	Spindle Core (Downstream)	Brass	EN 12165 CW617N-DW
5	Bonnet	Brass	EN 12165 CW617N-DW
6	Body	Brass	EN 12165 CW617N-DW
7	Strainer	Stainless Steel	ISO.15510
8	Strainer Adaptor	Acetal	Acetal

### Features and benefits:

- Designed in accordance with WRAS requirements.
- Stainless steel mesh strainer.
- Brass core for improved strength and performance.
- PN12 up to 1", PN10 above 1".
- End connections, parallel threads to ISO 228 female ends.
- Suitable for low temperature hot water systems.

### Foot Valve - 1461

Order Code ISO 228 thread	Size	DN	A	B	KV Value	Weight (Kg)
146110FF0120404	1/2"	15	65	33	2.4	0.14
146110FF0120606	3/4"	20	86	42	3.3	0.24
146110FF0120808	1"	25	103	47	-	0.27
146110FF0101010	1 1/4"	32	119	59	17.2	0.52
146110FF0101212	1 1/2"	40	141	67	36.5	0.74
146110FF0101616	2"	50	159	83	52.7	1.06

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air* (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1461	x	✓	x	✓	✓	x	x	x	x

\* Limited to 5 bar max.

### Max. working parameters

1461	Size	Temperature °C	Pressure bar	Pressure psi	Min. operating pressure bar
Water	1/2" – 1"	-10 to +100	12	174	-0.002 to +0.04
Water	1 1/4" - 2"	-10 to +100	10	145	-0.002 to +0.04

Not suitable for temperatures above +100°C.

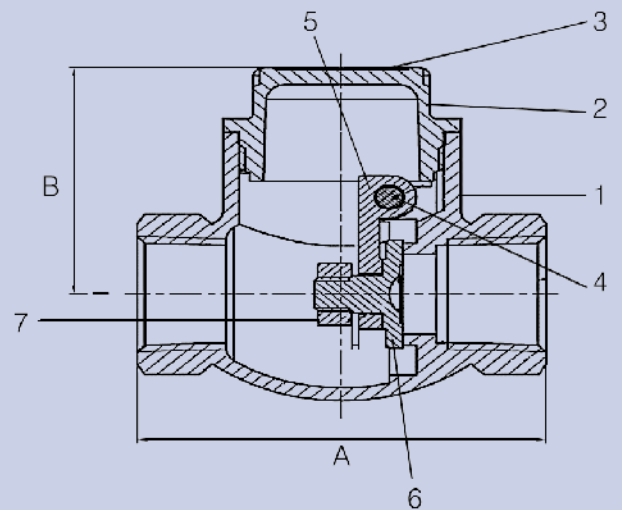
### Specification clauses:

Suitable for low temperature hot water systems.

End connections, parallel threads to ISO 228 female ends.

Brass core for improved strength and performance.

Stainless steel mesh strainer.



## Valve range

1470 Swing Check Valve - PN25 - (Brass)

### Material specification

1470 - 1/2" - 2"

No	Component	Material	Specification
1	Body	Brass	EN 12165 CW617N
2	Cap	Brass	EN 12165 CW617N
3	Identity Disc	Aluminium	EN 1706 LM6
4	Swing Pin	Stainless steel	ISO.15510
5	Swing Arm	Brass	EN 12165 CW617N
6	Seat	Brass	EN 12165 CW617N
7	Retaining Nut	Brass	EN 12165 CW617N

### Features and benefits:

- WRAS approved for drinking water systems.
- Suitable for water and other liquids.
- Metal to metal seat.
- Horizontal swing check design.
- Choice of alternative disc material to special order.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Suitable for low temperature hot water systems.

### Swing Check Valve - 1470

Order Code EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	KV Value	Weight (Kg)
147010RR0250404	147010FF0250404	1/2"	15	60	42	5.8	0.26
147010RR0250606	147010FF0250606	3/4"	20	70	48	7.1	0.37
147010RR0250808	147010FF0250808	1"	25	80	54	23	0.64
147010RR0251010	147010FF0251010	1 1/4"	32	90	60	-	0.92
147010RR0251212	147010FF0251212	1 1/2"	40	100	70	82	1.26
147010RR0251616	147010FF0251616	2"	50	110	80	93	1.95

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1470	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1470	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	25	360

### Specification clauses:

Brass body.

Metal disc, screwed in cap.

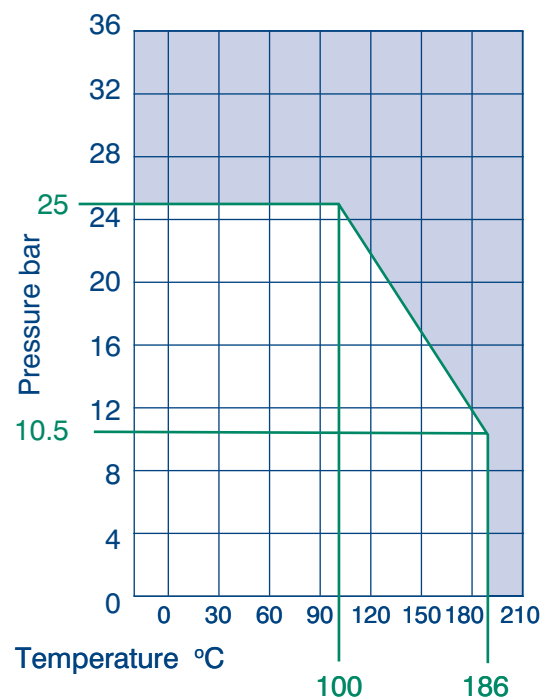
Operation is automatic using a swing type check.

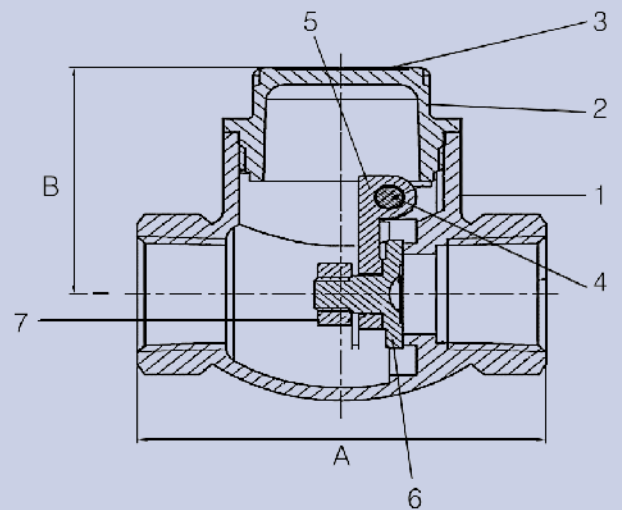
Valves are manufactured in accordance with EN 5154:1991 PN25 for Series B ratings.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems.

Suitable for low temperature hot water systems.





## Valve range

1470 Swing Check Valve - PN25 - (Bronze)

### Material specification

1470 - 1/2" - 2"

No	Component	Material	Specification
1	Body	Bronze	EN 1982 CC491K
2	Cap	Bronze	EN 1982 CC491K
3	Identity Disc	Aluminium	EN 1706 LM6
4	Swing Pin	Stainless steel	ISO.15510
5	Swing Arm	Bronze	EN 1982 CC491K
6	Seat	Bronze	EN 1982 CC491K
7	Retaining Nut	Bronze	EN 1982 CC491K

### Features and benefits:

- WRAS approved for drinking water systems.
- Horizontal swing check design.
- Metal to metal seat.
- Choice of alternative disc material to special order.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Suitable for water and other liquids.
- Suitable for low temperature hot water and chilled systems.

### Swing Check Valve - 1470

Order Code EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	KV Value	Weight (Kg)
147020RR0250404	147020FF0250404	1/2"	15	60	42	5.8	0.36
147020RR0250606	147020FF0250606	3/4"	20	70	48	7.1	0.44
147020RR0250808	147020FF0250808	1"	25	80	54	23	0.69
147020RR0251010	147020FF0251010	1 1/4"	32	90	60	-	0.97
147020RR0251212	147020FF0251212	1 1/2"	40	100	70	82	1.38
147020RR0251616	147020FF0251616	2"	50	110	80	93	2.01

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1470	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1470	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	25	360

### Specification clauses:

Valves are manufactured in accordance with EN 5154:1991 PN25 for Series B ratings.

Bronze body.

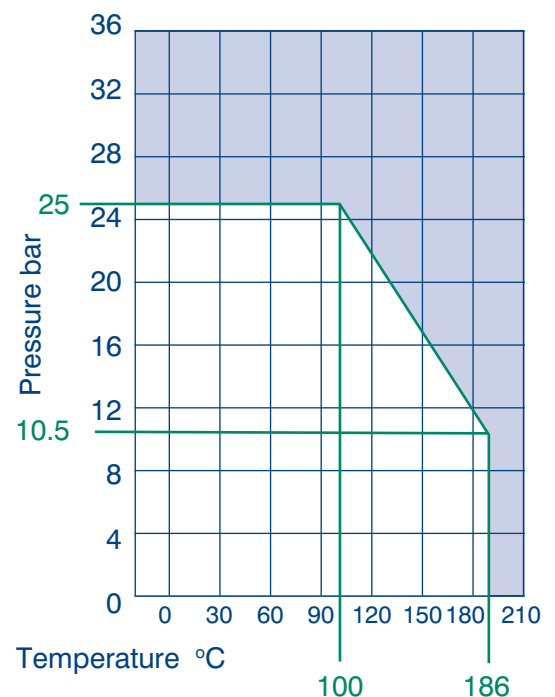
Metal disc, screwed in cap.

Operation is automatic using a swing type check.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems.

Suitable for low temperature hot water and chilled systems.





# Conex | Bänninger



Conex | Bänninger  
**Conex Compression**

Conex | Bänninger  
**Triflow Solder Ring**

Conex | Bänninger  
**Delcop End Feed**

Conex | Bänninger  
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Conex | Bänninger  
**>B< Press**

Conex | Bänninger  
**>B< Press Gas**

Conex | Bänninger  
**>B< Press Solar**

Conex | Bänninger  
**>B< Press XL**

Conex | Bänninger  
**>B< Press Carbon**

Conex | Bänninger  
**>B< Press Inox**

Conex | Bänninger  
**>B< Flex**

Conex | Bänninger  
**>B< Push**

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Conex | Bänninger  
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Conex | Bänninger  
**Series 3000**

Conex | Bänninger  
**Series 8000**

Conex | Bänninger  
**Series 8000 M**



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Conex Bänninger products are approved by numerous Standards Authorities and Certification Bodies. For more details on this product range, please email our technical team at: [technical@ibpgroup.com](mailto:technical@ibpgroup.com). IBP trademarks are registered in numerous countries.



## Gate Valves Range

## Conex Bänninger Gate Valves

Conex Bänninger Gate Valves are used for permitting or preventing flow and are best used in systems that require infrequent use of the valve. When fully open, full flow occurs, giving minimal resistance or pressure drop.

### Non-rising stem

Conex Bänninger Gate Valves are designed with non-rising stems making them ideal for use in applications where vertical space is limited.

### Materials

This comprehensive range of Gate Valves from Conex Bänninger is manufactured from high quality brass, DZR brass and bronze (red brass) which has excellent resistance to corrosion.

### Durable and reliable

Gate Valves are durable and extremely reliable in use. Gate Valves open or close relatively slowly and will open or close fully when they have not been operated over a prolonged period of time. This makes them the preferred choice for isolation applications where pressure surges (hydraulic shock) should be avoided and where the valve is used infrequently.

### Applications

All Conex Bänninger Gate Valves can be used in systems involving the supply of drinking water, whilst the DZR brass and bronze valves are suitable for low temperature hot water and chilled systems.

### Quality assurance

Conex Universal Ltd is an ISO 9001 Quality Assured company registered with the BSI.

### 5-year warranty

When professionally fitted and in accordance with the installation instructions, Conex Bänninger Valves are guaranteed against manufacturing defects for five years from first purchase date. Any alleged defects must be reported to Conex Universal Ltd within one month of the first occurrence, clearly setting out the nature of the claim. The warranty is limited to the repair and replacement of defective fittings at the discretion of Conex Universal Ltd and the company reserves the right to inspect and test the alleged defects. This warranty provided by Conex Universal Ltd does not affect your statutory rights. For more information visit [www.conexbanninger.com](http://www.conexbanninger.com).

### General information

Performance data, including pressure-temperature ratings have been developed from published standards, supplier material specifications, design calculations and in-house testing. They cover typical applications for the Conex Bänninger Gate Valve product range and are provided as a general guideline.

For specific applications, users are advised to contact Conex Universal Ltd for technical advice. Failure to follow advised installation instructions may result in damage and personal injury for which Conex Universal Ltd cannot be held liable.

# Contents

1120 Gate Valve Handwheel - PN20 - Light Pattern - (Brass) .....

1121 Gate Valve Handwheel - PN20 - (Bronze) .....

1121 Gate Valve Lockshield - PN20 - (Bronze) .....

1122 Gate Valve Handwheel - PN20 - (Brass) .....

1122 Gate Valve Lockshield - PN20 - (Brass).....

1124 Gate Valve Handwheel - PN20 - (DZR) .....

1124 Gate Valve Lockshield - PN20 - (DZR) .....

1126 Gate Valve Handwheel - PN32 - (Bronze) .....

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## Valves range

1120 Gate Valve Handwheel - PN20 - Light Pattern - (Brass)

### Material specification

Handwheel version: 1120 - 1/2" - 2"

No	Component	Material	Specification
1	Stem	Brass	EN 12164 CW617N-DW
2	Packing Nut	Brass	EN 12164 CW614N
3	Packing	PTFE	PTFE
4	Bonnet	Brass	EN 12165 CW617N-DW
5	Body	Brass	EN 12165 CW617N-DW
6	Wedge	Brass	EN 12165 CW617N-DW
7	Seal	PTFE	PTFE
8	Stem Retainer	DZR Brass	EN 12164 CW602N
9	Packing Ring	Brass	EN 12164 CW614N
10	Handwheel	Aluminium	EN 1706 LM6
11	Handwheel Nut	Brass	EN 12164 CW614N
12	Identity Disc	Aluminium	EN 1706 LM6

Gate Valves are designed for services that only need infrequent operation, where the gate is maintained at either fully open or fully closed. They should not be used for throttling the flow of fluid.

### Features and benefits:

- Non-rising stem.
- Designed in accordance with EN 12288 requirements.
- High quality brass construction.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water.
- Suitable for low temperature hot water systems.
- Not suitable for high temperature working, temperatures above 100°C.
- Unique Conex Bänninger handwheel.

### Gate Valve - 1120

Order Code BS EN 10226 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
112010RRW200404	112014FFW200404	1/2"	15	48	70	17	0.25
112010RRW200606	112014FFW200606	3/4"	20	50	80	32	0.39
112010RRW200808	112014FFW200808	1"	25	60	90	52	0.58
112010RRW201010	112014FFW201010	1 1/4"	32	64	115	102	0.98
112010RRW201212	112014FFW201212	1 1/2"	40	69	125	170	1.10
112010RRW201616	112014FFW201616	2"	50	81	155	224	1.80

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1120	x	✓	✓	✓	x	x	x	x	x

### Max. working parameters

1120	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	20	290

### Specification clauses:

Designed in accordance with EN 12288 requirements.

Non-rising stem.

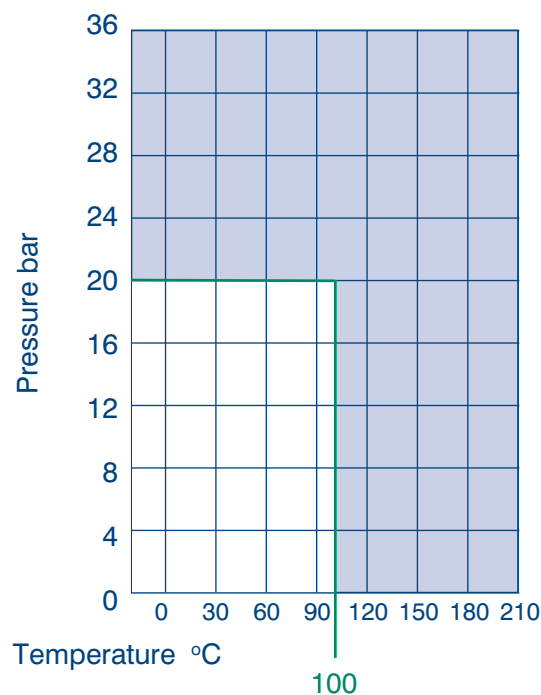
Handwheel operated.

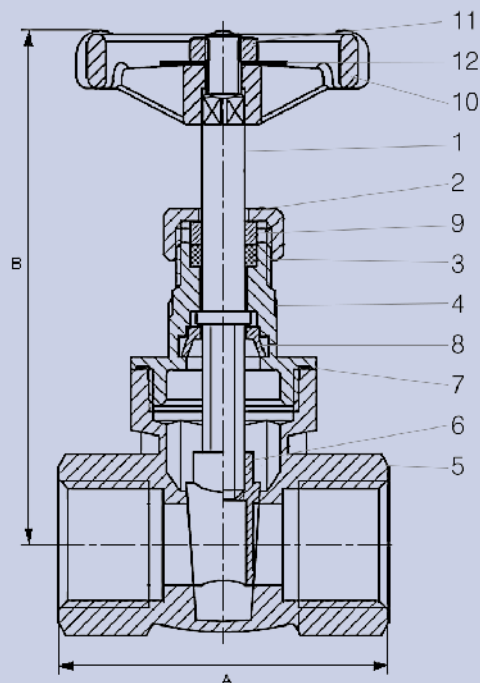
Brass threaded bonnet and one piece wedge.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems.

Suitable for low temperature hot water systems.





## Valves range

### 1121 Gate Valve Handwheel - PN20 - (Bronze)

#### Material specification

Handwheel version: 1121 - 1/2" - 4"

No	Component	Material	Specification
1	Stem	Bronze	EN 1982 CC491K
2	Packing Nut	Brass	EN 12164 CW614N
3	Packing	PTFE	PTFE
4	Bonnet	Bronze	EN 1982 CC491K
5	Body	Bronze	EN 1982 CC491K
6	Wedge	Bronze	EN 1982 CC491K
7	Seal	PTFE	PTFE
8	Stem Retainer	DZR Brass	EN 12164 CW602N
9	Packing Ring	Brass	EN 12164 CW614N
10	Handwheel	Aluminium	EN 1706 LM6
11	Handwheel Nut	Brass	EN 12164 CW614N
12	Identity Disc	Aluminium	EN 1706 LM6

Gate Valves are designed for services that only need infrequent operation, where the gate is maintained at either fully open or fully closed. They should not be used for throttling the flow of fluid.



### Features and benefits:

- Designed in accordance to EN 12288 requirements.
- High quality bronze construction immune to dezincification and stress corrosion cracking resistant.
- Robust construction ensures reliable in-process service.
- Bronze material in accordance with EN 1982.
- End connections, female taper threads EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water systems, taper threads to EN 10226-2 (ISO 7-1).
- Suitable for use with low temperature hot water and chilled systems.
- Unique Conex Bänninger handwheel.

### Gate Valve - 1121

Order Code EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
112120RRW200404	112120FFW200404	1/2"	15	55	85	16	0.32
112120RRW200606	112120FFW200606	3/4"	20	60	95	32	0.41
112120RRW200808	112120FFW200808	1"	25	65	115	52	0.63
112120RRW201010	112120FFW201010	1 1/4"	32	75	125	100	1.03
112120RRW201212	112120FFW201212	1 1/2"	40	80	145	172	1.40
112120RRW201616	112120FFW201616	2"	50	90	165	230	1.94
112120RRW202020*	112120FFW202020*	2 1/2"	65	100	210	-	3.68
112120RRW202424*	112120FFW202424*	3"	80	115	240	-	5.42
112120RRW203232*	112120FFW203232*	4"	100	135	290	-	10.59

\*Valves available to special order.

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1121	x	✓	✓	✓	x	x	x	x	x

### Max. working parameters

1121	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	20	290

### Specification clauses:

Designed in accordance to EN 12288 requirements.

Bronze material in accordance with EN 1982.

High quality bronze construction immune to dezincification and stress corrosion cracking resistant.

Non-rising stem.

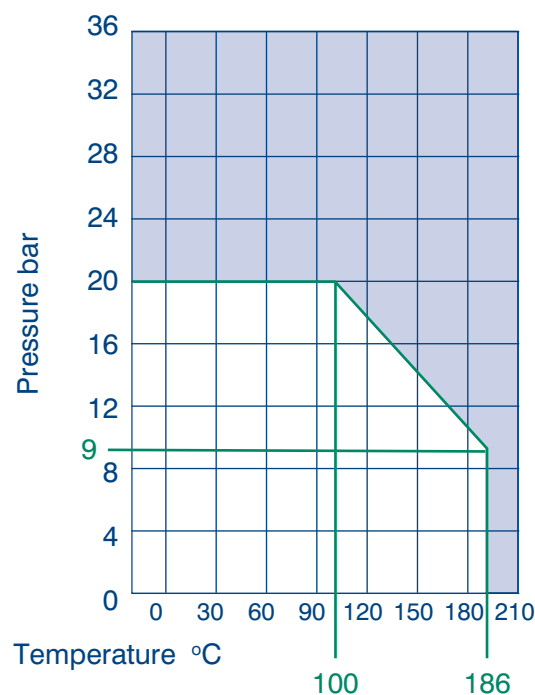
Handwheel operated.

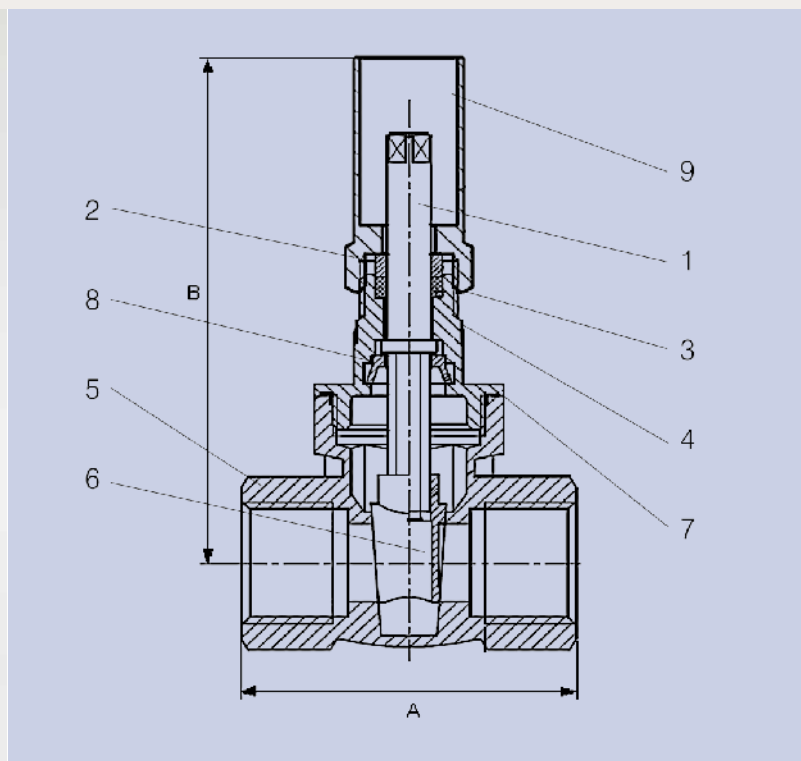
Bronze threaded bonnet and one piece wedge.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems taper threads to EN 10226-2 (ISO 7-1).

Suitable for low temperature hot water and chilled systems.





## Valves range

### 1121 Gate Valve Lockshield - PN20 - (Bronze)

#### Material specification

Lockshield version: 1121 - 1/2" - 4"

No	Component	Material	Specification
1	Stem	Bronze	EN 1982 CC491K
2	Packing Nut	Brass	EN 12165 CW614N
3	Packing	PTFE	PTFE
4	Bonnet	Bronze	EN 1982 CC491K
5	Body	Bronze	EN 1982 CC491K
6	Wedge	Bronze	EN 1982 CC491K
7	Seal	PTFE	PTFE
8	Stem Retainer	DZR Brass	EN 12165 CW602N
9	Lockshield	Brass	EN 12164 CW614N

Gate Valves are designed for services that only need infrequent operation, where the gate is maintained at either fully open or fully closed. They should not be used for throttling the flow of fluid.

### Features and benefits:

- Designed in accordance to EN 12288 requirements.
- High quality bronze construction immune to dezincification and stress corrosion cracking resistant.
- Bronze material in accordance with EN 1982.
- Lockshield key operated.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water systems, taper threads to EN 10226-2 (ISO 7-1).
- Suitable for use with low temperature hot water and chilled systems.

### Gate Valve - 1121

Order Code EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
112120RRK200404	112120FFK200404	½"	15	55	85	16	0.32
112120RRK200606	112120FFK200606	¾"	20	60	95	32	0.41
112120RRK200808	112120FFK200808	1"	25	65	110	52	0.63
112120RRK201010	112120FFK201010	1¼"	32	75	125	100	1.03
112120RRK201212	112120FFK201212	1½"	40	80	145	172	1.40
112120RRK201616	112120FFK201616	2"	50	90	170	230	1.94
112120RRK202020*	112120FFK202020*	2½"	65	100	210	-	3.68
112120RRK202424*	112120FFK202424*	3"	80	115	240	-	5.42
112120RRK203232*	112120FFK203232*	4"	100	135	290	-	10.59

\*Valves available to special order.

A--GVLKKEY-- Lockshield key for valves ½" to 1"

B--GVLKKEY-- Lockshield key for valves 1¼" to 2"

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1121	x	✓	✓	✓	x	x	x	x	x

### Max. working parameters

1121	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	20	290

### Specification clauses:

Bronze material in accordance to EN 1982.

High quality bronze construction immune to dezincification and stress corrosion cracking resistant.

Bronze threaded bonnet and one piece wedge.

Non-rising stem.

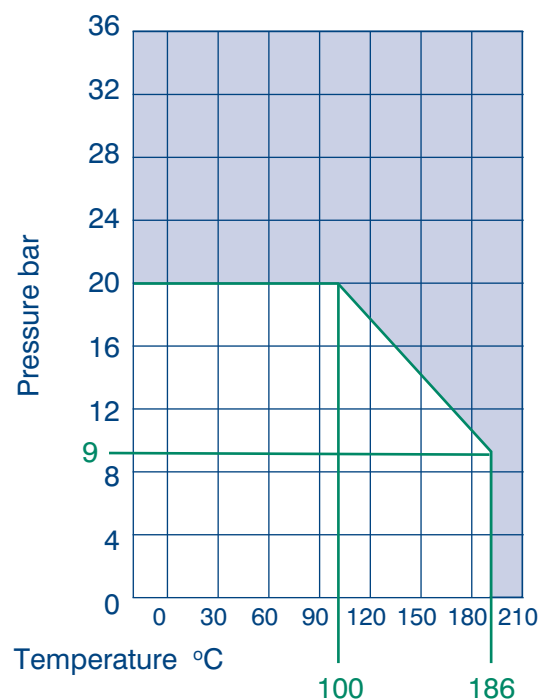
Designed in accordance with EN 12288 requirements.

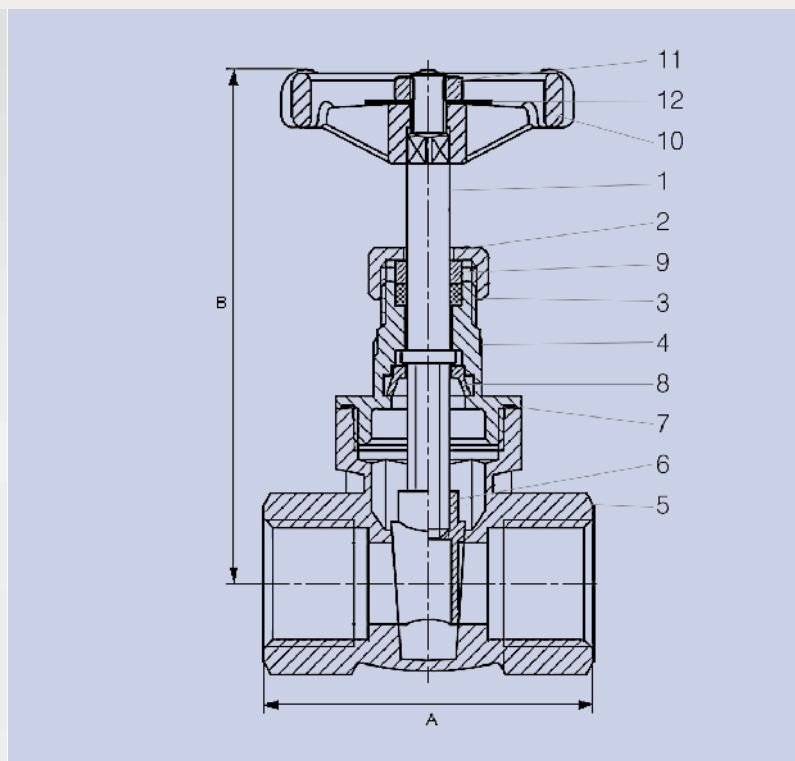
End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

Lockshield key operated.

WRAS approved for drinking water systems, taper threads to EN 10226-2 (ISO 7-1).

Suitable for use with low temperature hot water and chilled systems.





## Valves range

### 1122 Gate Valve Handwheel - PN20 - (Brass)

#### Material specification

Handwheel version: 1122 - 1/2" - 4"

No	Component	Material	Specification
1	Stem	Brass	EN 12164 CW617N-DW
2	Packing Nut	Brass	EN 12164 CW614N
3	Packing	PTFE	PTFE
4	Bonnet	Brass	EN 12165 CW617N-DW
5	Body	Brass	EN 12165 CW617N-DW
6	Wedge	Brass	EN 12165 CW617N-DW
7	Seal	PTFE	PTFE
8	Stem Retainer	DZR Brass	EN 12164 CW602N
9	Packing Ring	Brass	EN 12164 CW614N
10	Handwheel	Aluminium	EN 1706 LM6
11	Handwheel Nut	Brass	EN 12164 CW614N
12	Identity Disc	Aluminium	EN 1706 LM6

Gate Valves are designed for services that only need infrequent operation, where the gate is maintained at either fully open or fully closed. They should not be used for throttling the flow of fluid.

### Features and benefits:

- Kitemark approved to EN 12288.
- High quality brass construction.
- Non-rising stem.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water systems.
- Suitable for low temperature hot water systems.
- Unique Conex Bänninger handwheel.

### Gate Valve - 1122

Order Code EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
112210RRW200404	112210FFW200404	1/2"	15	55	85	16	0.28
112210RRW200606	112210FFW200606	3/4"	20	60	95	32	0.40
112210RRW200808	112210FFW200808	1"	25	70	115	52	0.57
112210RRW201010	112210FFW201010	1 1/4"	32	75	125	100	0.96
112210RRW201212	112210FFW201212	1 1/2"	40	80	145	172	1.13
112210RRW201616	112210FFW201616	2"	50	90	165	230	1.9
112210RRW202020*	112210FFW202020*	2 1/2"	65	100	210	-	3.07
112210RRW202424*	112210FFW202424*	3"	80	115	240	-	4.40
112210RRW203232*	112210FFW203232*	4"	100	135	290	-	7.95

\*Valves available to special order.

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1122	x	✓	✓	✓	x	x	x	x	x

### Max. working parameters

1122	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	20	290

### Specification clauses:

Kitemark approved to EN 12288.

Handwheel operated.

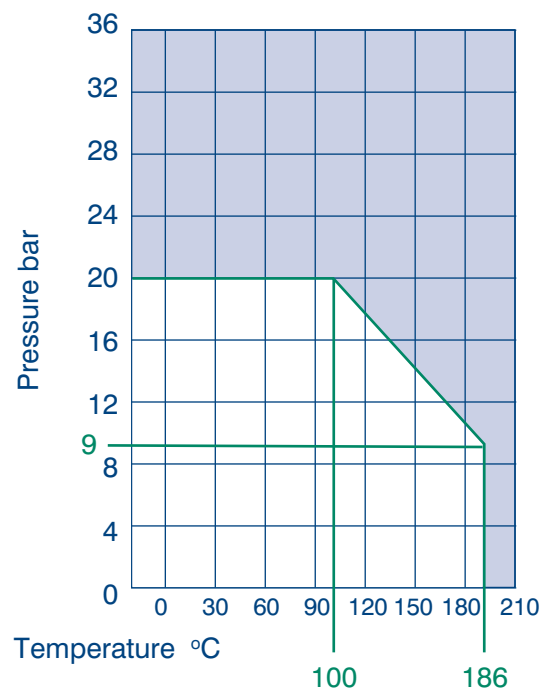
Non-rising stem.

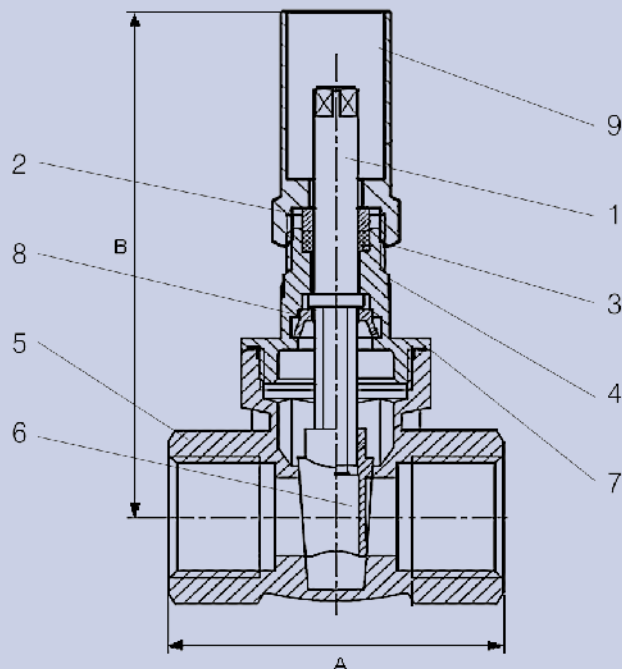
Brass threaded bonnet and one piece wedge.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems.

Suitable for low temperature hot water systems.





## Valves range

### 1122 Gate Valve Lockshield - PN20 - (Brass)

#### Material specification

Lockshield version: 1122 - 1/2" - 4"

No	Component	Material	Specification
1	Stem	Brass	EN 12164 CW617N-DW
2	Packing Nut	Brass	EN 12164 CW614N
3	Packing	PTFE	PTFE
4	Bonnet	Brass	EN 12165 CW617N-DW
5	Body	Brass	EN 12165 CW617N-DW
6	Wedge	Brass	EN 12165 CW617N-DW
7	Seal	PTFE	PTFE
8	Stem Retainer	DZR Brass	EN 12164 CW602N-DW
9	Lockshield	Brass	EN 12164 CW614N

Gate Valves are designed for services that only need infrequent operation, where the gate is maintained at either fully open or fully closed. They should not be used for throttling the flow of fluid.

### Features and benefits:

- Kitemark approved to EN 12288.
- Non-rising stem.
- Lockshield key operated.
- End connections, female taper threads designed to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water systems, taper threads to EN 10226-2 (ISO 7-1).
- Suitable for low temperature hot water systems.

### Gate Valve - 1122

Order Code EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
112210RRK200404	112210FFK200404	½"	15	55	85	16	0.26
112210RRK200606	112210FFK200606	¾"	20	60	95	32	0.40
112210RRK200808	112210FFK200808	1"	25	65	110	52	0.57
112210RRK201010	112210FFK201010	1¼"	32	75	125	100	0.95
112210RRK201212	112210FFK201212	1½"	40	80	145	172	1.12
112210RRK201616	112210FFK201616	2"	50	90	170	230	1.80
112210RRK202020*	112210FFK202020*	2½"	65	100	210	-	2.83
112210RRK202424*	112210FFK202424*	3"	80	115	240	-	4.15
112210RRK203232*	112210FFK203232*	4"	100	135	290	-	7.43

\*Valves available to special order.

A--GVLKKEY-- Lockshield key for valves ½" to 1"

B--GVLKKEY-- Lockshield key for valves 1¼" to 2"

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1122	x	✓	✓	✓	x	x	x	x	x

### Max. working parameters

1122	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	20	290

### Specification clauses:

Kitemark approved to EN 12288.

Non-rising stem.

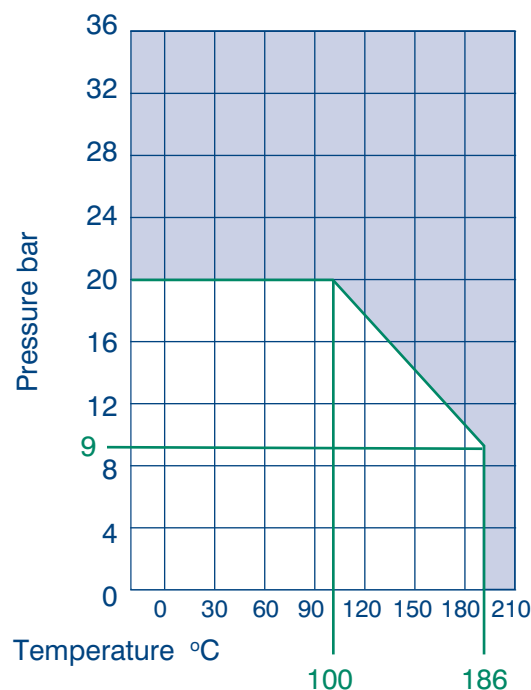
Lockshield key operated.

Brass threaded bonnet and one piece wedge.

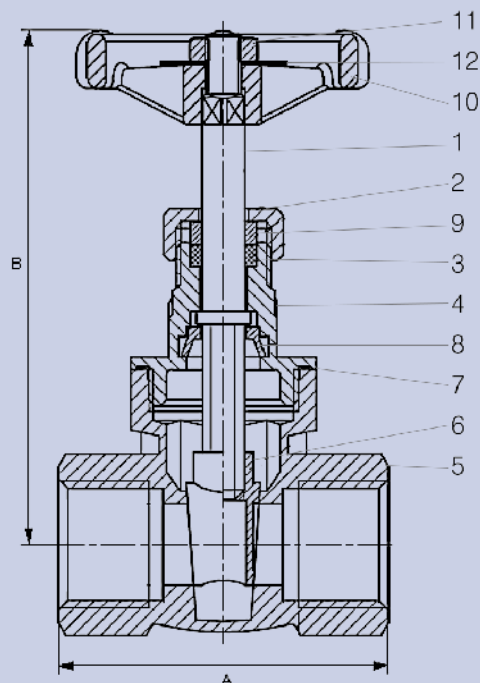
End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems, taper threads to EN 10226-2 (ISO 7-1).

Suitable for low temperature hot water systems.







## Valves range

### 1124 Gate Valve Handwheel - PN20 - (DZR)

#### Material specification

Handwheel version: 1124 - 1/2" - 4"

No	Component	Material	Specification
1	Stem	DZR Brass	EN 12164 CW602N
2	Packing Nut	Brass	EN 12164 CW614N
3	Packing	PTFE	PTFE
4	Bonnet	DZR Brass	EN 12165CW602N
5	Body	DZR Brass	EN 12165 CW602N
6	Wedge	DZR Brass	EN 12165 CW602N
7	Seal	PTFE	PTFE
8	Stem Retainer	DZR Brass	EN 12164 CW602N
9	Packing Ring	Brass	EN 12164 CW614N
10	Handwheel	Aluminium	EN 1706 LM6
11	Handwheel Nut	Brass	EN 12164 CW614N
12	Identity Disc	Aluminium	EN 1706 LM6

Gate Valves are designed for services that only need infrequent operation, where the gate is maintained at either fully open or fully closed. They should not be used for throttling the flow of fluid.

### Features and benefits:

- Kitemark approved to EN 12288.
- Dezincification resistant brass construction prevents system corrosion and limits fungal growth.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water systems.
- Suitable for use with low temperature hot water and chilled systems.

### Gate Valve - 1124

Order Code EN 10226-2 (ISO 7-1) thread	Handwheel Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
112450RRW200404	112450FFW200404	1/2"	15	55	85	16	0.26
112450RRW200606	112450FFW200606	3/4"	20	60	95	32	0.41
112450RRW200808	112450FFW200808	1"	25	65	115	52	0.61
112450RRW201010	112450FFW201010	1 1/4"	32	75	125	100	1.01
112450RRW201212	112450FFW201212	1 1/2"	40	80	145	172	1.16
112450RRW201616	112450FFW201616	2"	50	90	165	230	1.90
112450RRW202020*	112450FFW202020*	2 1/2"	65	100	210	-	3.68
112450RRW202424*	112450FFW202424*	3"	80	115	240	-	5.42
112450RRW203232*	112450FFW203232*	4"	100	135	290	-	10.59

\*Valves available to special order.

### Valve suitability

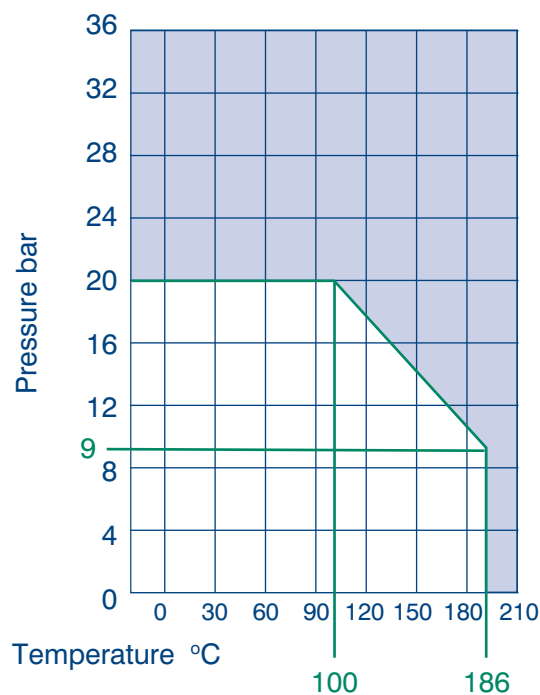
Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1124	x	✓	✓	✓	x	x	x	x	x

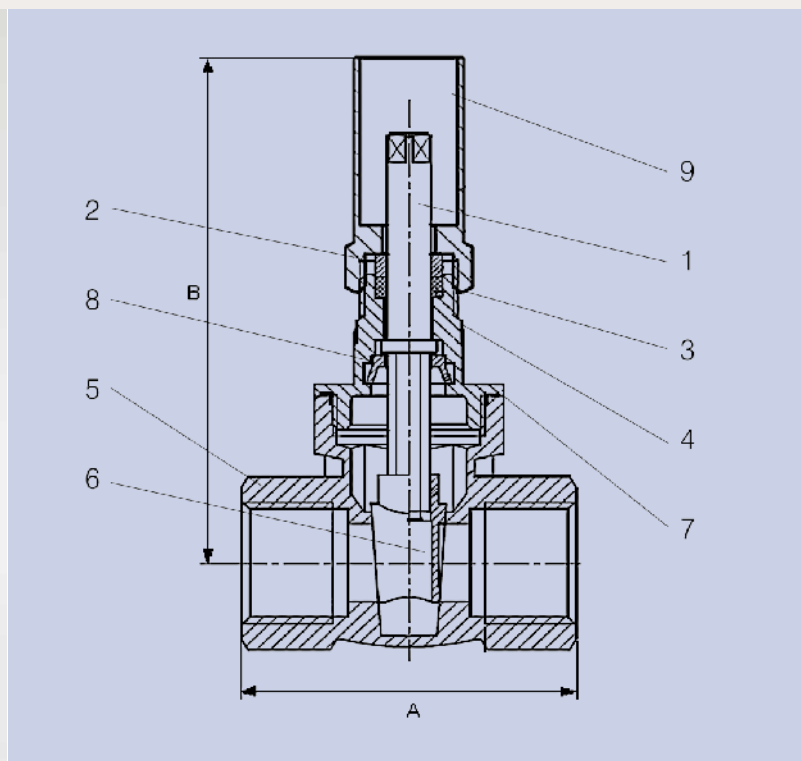
### Max. working parameters

1124	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	20	290

### Specification clauses:

- Kitemark approved to EN 12288.
- DZR brass gate valve.
- Non-rising stem.
- Handwheel operated.
- DZR brass threaded bonnet and one piece wedge.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water systems.
- Suitable for low temperature hot water and chilled systems.





## Valves range

### 1124 Gate Valve Lockshield - PN20 - (DZR)

#### Material specification

Lockshield version: 1124- ½" - 4"

No	Component	Material	Specification
1	Stem	DZR Brass	EN 12164 CW602N
2	Packing Nut	Brass	EN 12164 CW614N
3	Packing	PTFE	PTFE
4	Bonnet	DZR Brass	EN 12165 CW602N
5	Body	DZR Brass	EN 12165 CW602N
6	Wedge	DZR Brass	EN 12165 CW602N
7	Seal	PTFE	PTFE
8	Stem Retainer	DZR Brass	EN 12164 CW602N
9	Lockshield	Brass	EN 12164 CW614N

Gate Valves are designed for services that only need infrequent operation, where the gate is maintained at either fully open or fully closed. They should not be used for throttling the flow of fluid.

### Features and benefits:

- Kitemark approved to EN 12288.
- Non-rising stem.
- Lockshield key operated.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Dezincification resistant brass prevents system corrosion and reduces fungal growth.
- WRAS approved for drinking water systems, taper threads to EN 10226-2 (ISO 7-1).
- Suitable for use with low temperature hot water and chilled systems.

### Gate Valve - 1124

Order Code EN 10226-2 (ISO 7-1) taper thread	Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
112450RRK200404	112450FFK200404	1/2"	15	55	85	16	0.26
112450RRK200606	112450FFK200606	3/4"	20	60	95	32	0.40
112450RRK200808	112450FFK200808	1"	25	65	110	52	0.57
112450RRK201010	112450FFK201010	1 1/4"	32	75	125	100	0.96
112450RRK201212	112450FFK201212	1 1/2"	40	80	145	172	1.13
112450RRK201616	112450FFK201616	2"	50	90	170	230	1.81
112450RRK202020*	112450FFK202020*	2 1/2"	65	100	210	-	3.68
112450RRK202424*	112450FFK202424*	3"	80	115	240	-	5.42
112450RRK203232*	112450FFK203232*	4"	100	135	290	-	10.59

\*Valves available to special order.

A--GVLKKEY-- Lockshield key for valves 1/2" to 1"

B--GVLKKEY-- Lockshield key for valves 1 1/4" to 2"

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1124	x	✓	✓	✓	x	x	x	x	x

### Max. working parameters

1124	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	20	290

### Specification clauses:

Kitemark approved to EN 12288.

DZR brass Gate Valve.

Non-rising stem.

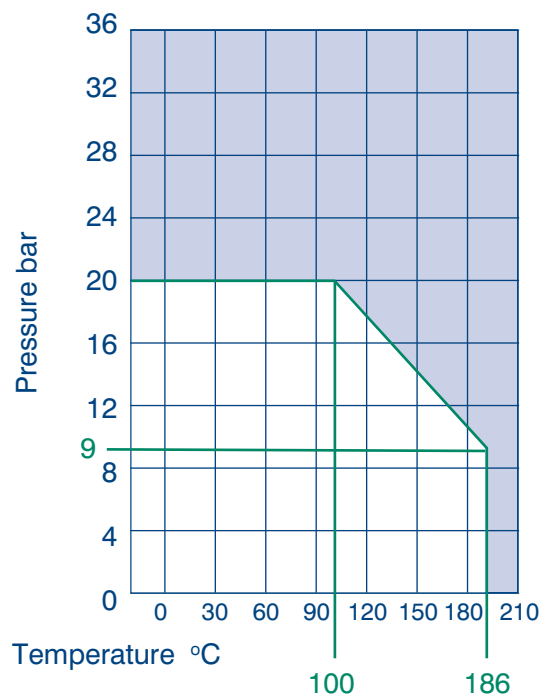
DZR threaded bonnet and one piece wedge.

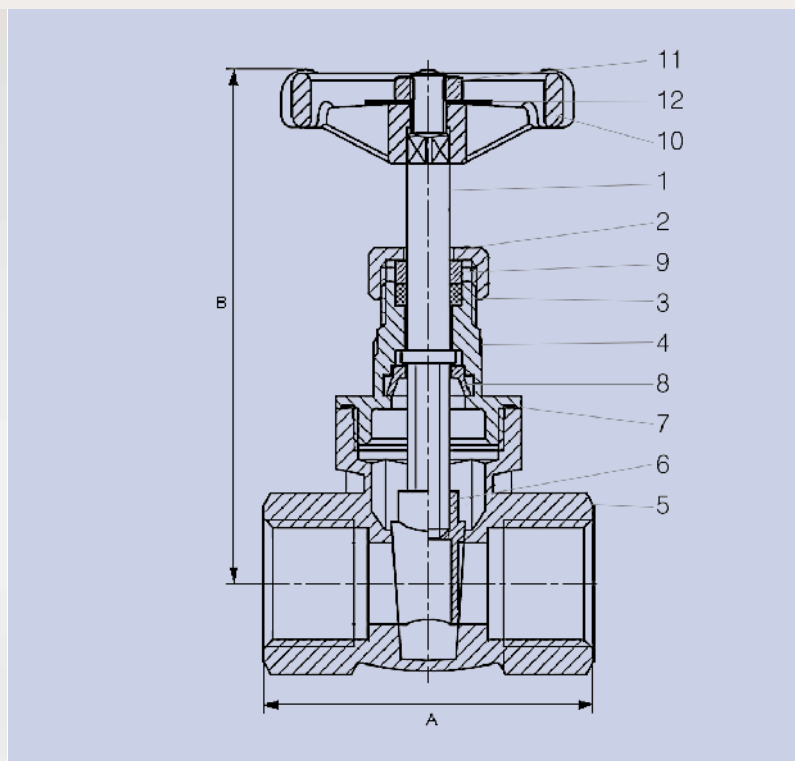
Lockshield key operated.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems, taper threads to EN 10226-2 (ISO 7-1).

Suitable for low temperature hot water and chilled systems.





## Valves range

### 1126 Gate Valve Handwheel - PN32 - (Bronze)

#### Material specification

Handwheel version: 1126 - 1/2" - 4"

No	Component	Material	Specification
1	Stem	Bronze	EN 1982 CC491K
2	Packing Nut	Brass	EN 12164 CW614N
3	Packing	PTFE	PTFE
4	Bonnet	Bronze	EN 1982 CC491K
5	Body	Bronze	EN 1982 CC491K
6	Wedge	Bronze	EN 1982 CC491K
7	Seal	PTFE	PTFE
8	Stem Retainer	DZR Brass	EN 12164 CW602N
9	Packing Ring	Brass	EN 12164 CW614N
10	Handwheel	Aluminium	EN 1706 LM6
11	Handwheel Nut	Brass	EN 12164 CW614N
12	Identity Disc	Aluminium	EN 1706 LM6

Gate Valves are designed for services that only need infrequent operation, where the gate is maintained at either fully open or fully closed. They should not be used for throttling the flow of fluid.

### Features and benefits:

- Designed in accordance with EN 12288 requirements.
- High quality bronze construction immune to dezincification and stress corrosion cracking resistant.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water systems.
- Suitable for use with low temperature hot water and chilled systems.
- Unique Conex Bänninger handwheel.

### Gate Valve - 1126

Order Code BS EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
112620RRW320404	112620FFW320404	1/2"	15	55	85	16	0.36
112620RRW320606	112620FFW320606	3/4"	20	60	95	32	0.69
112620RRW320808	112620FFW320808	1"	25	70	115	52	1.02
112620RRW321010	112620FFW321010	1 1/4"	32	75	125	100	1.57
112620RRW321212	112620FFW321212	1 1/2"	40	80	145	172	2.44
112620RRW321616	112620FFW321616	2"	50	90	165	230	3.43
112620RRW322020*	112620FFW322020*	2 1/2"	65	100	210	-	-
112620RRW322424*	112620FFW322424*	3"	80	115	240	-	-
112620RRW323232*	112620FFW323232*	4"	100	135	290	-	-

\*Valves available to special order

### Valve suitability

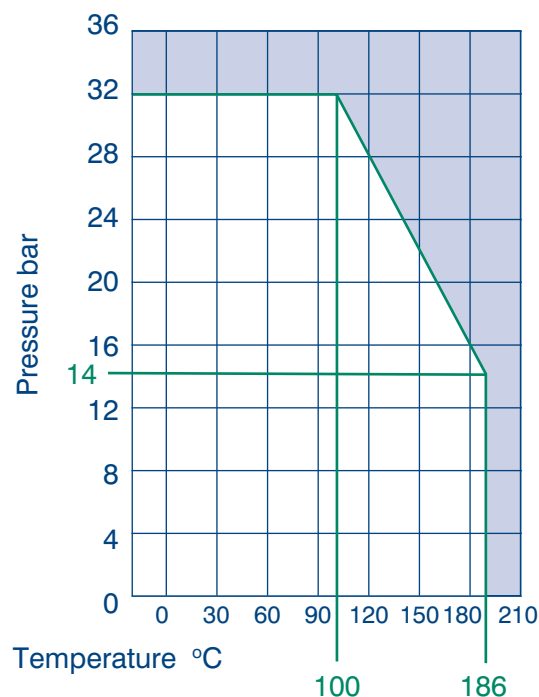
Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1126	x	✓	✓	✓	x	x	x	x	x

### Max. working parameters

1126	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	32	460

### Specification clauses:

- Bronze material in accordance with EN 1982.
- Designed in accordance to EN 12288 requirements.
- Handwheel operated.
- Non-rising stem.
- Bronze threaded bonnet and one piece wedge.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water systems.
- Suitable for low temperature hot water and chilled systems.



# Conex | Bänninger



Conex | Bänninger  
**Conex Compression**

Conex | Bänninger  
**Triflow Solder Ring**

Conex | Bänninger  
**Delcop End Feed**

Conex | Bänninger  
**Delbraze**

Conex | Bänninger  
**>B< Press**

Conex | Bänninger  
**>B< Press Gas**

Conex | Bänninger  
**>B< Press Solar**

Conex | Bänninger  
**>B< Press XL**

Conex | Bänninger  
**>B< Press Carbon**

Conex | Bänninger  
**>B< Press Inox**

Conex | Bänninger  
**>B< Flex**

Conex | Bänninger  
**>B< Push**

Conex | Bänninger  
**Push-Fit**

Conex | Bänninger  
**Cuprofit**

Conex | Bänninger  
**K65®**

Conex | Bänninger  
**Valves**

Conex | Bänninger  
**>B< Oyster**

Conex | Bänninger  
**Medical Gas**

Conex | Bänninger  
**OEM**

Conex | Bänninger  
**>B< ACR**

Conex | Bänninger  
**Series 3000**

Conex | Bänninger  
**Series 8000**

Conex | Bänninger  
**Series 8000 M**



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IBP Banninger Italia srl

Poland Sales, Marketing and Logistics  
IBP Instalittings Sp z o.o.

China  
IBP China

The content of this publication is for general information only. It is the user's responsibility to determine suitability of any product for the purpose intended and reference should be made to our Technical Department if clarification is required. In the interests of technical development we reserve the right to change specification, design and materials without notice.

Conex Bänninger products are approved by numerous Standards Authorities and Certification Bodies. For more details on this product range, please email our technical team at: [technical@ibpgroup.com](mailto:technical@ibpgroup.com). IBP trademarks are registered in numerous countries.





## Globe Valves Range



## Conex Bänninger Globe Valves

Conex Bänninger Globe Valves are used to stop, open or throttle the flow of the fluid in the system.

Globe Valves enable proportional control (flow characteristics) as the relationship between flow rate and the extent of valve lift is linear. Conex Bänninger offers two basic seat and disc configurations, as follows:

- Renewable Composition or Soft Seat (Series 1130)
- Metal to Metal Seat (Series 1131)

Soft seated valves are recommended when the valve is to be used with gasses to ensure a complete shut-off to be achieved. Flow direction should normally be with the pressure under the seat.

Conex Bänninger Globe Valves are manufactured in accordance with EN 5154:1991 Series B, PN32.

### Application and uses

Globe Valves are used for applications requiring throttling and frequent operation. For example, Globe Valves may be used as sampling valves, which are normally shut except when liquid samples are being taken. Since the baffle restricts flow, they are not recommended where full, unobstructed flow is required.

### Valve materials

Conex Bänninger Globe Valves are manufactured from bronze and are suitable for a broad range of applications as they are classed as immune to dezincification, stress corrosion cracking and are highly corrosion resistant. Stress corrosion cracking occurs occasionally in brass valves where high levels of stress in the component are combined with a corrosive environment causing cracks to form and grow. Common corrosive environments for brass are items that contain ammonia, or ammoniacal compounds. These can be found in cleaning fluids, refrigeration gases, sewage waste products, building materials and insulating materials.

For further information refer to Stress Corrosion Cracking at [www.conexbanninger.com/standards](http://www.conexbanninger.com/standards)

### Quality assurance

Conex Universal Ltd is an ISO 9001 Quality Assured company and is registered with the BSI.

### 5-year warranty

When professionally fitted and in accordance with the installation instructions, Conex Bänninger Valves are guaranteed against manufacturing defects for five years from first purchase date. Any alleged defects must be reported to Conex Universal Ltd within one month of the first occurrence, clearly setting out the nature of the claim. The warranty is limited to the repair and replacement of defective fittings at the discretion of Conex Universal Ltd and the company reserves the right to inspect and test the alleged defects. This warranty provided by Conex Universal Ltd does not affect your statutory rights. For more information visit [www.conexbanninger.com](http://www.conexbanninger.com).

### General information

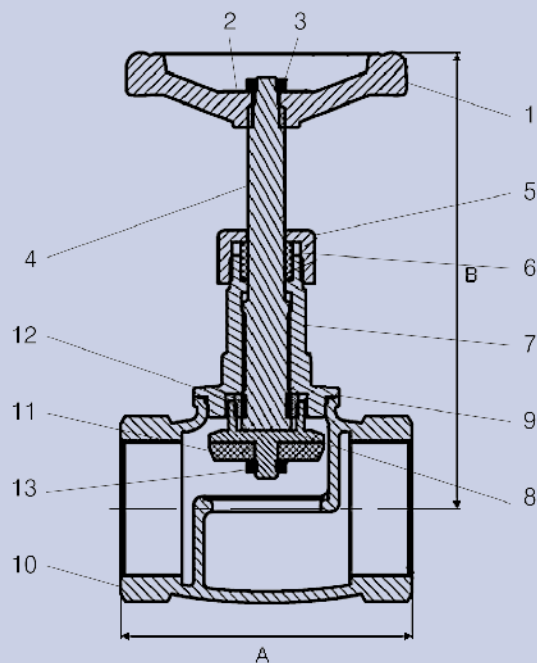
Performance data, including pressure-temperature ratings, has been developed from published standards, supplier material specifications, design calculations and in-house testing. It covers typical applications for the Conex Bänninger Valve product range and is provided as a general guideline.

For specific applications, users are advised to contact Conex Universal Ltd for technical advice, or to complete their own evaluation to prove technical suitability of the products. Failure to follow this may result in damage and personal injury for which Conex Universal Ltd cannot be held liable.

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1130 Globe Valve - Resilient Seat - PN32 - (Bronze)..... 1

1131 Globe Valve - Metal to Metal Seat - PN32 - (Bronze) ..... 3



## Valve range

1130 Globe Valve - Resilient Seat - PN32 - (Bronze)

### Material specification

Handwheel Version: 1130 - 1/2" - 4"

No	Component	Material	Specification
1	Handwheel	Aluminium	EN 1706 LM6
2	Rating Disc	Aluminium	EN 1706 LM6
3	Handwheel Nut	Brass	EN 12164CW614N
4	Stem	Bronze	EN 1982 CC491K
5	Packing Nut	Brass	EN 12165 CW617N-DW
6	Packing	PTFE	PTFE
7	Bonnet	Bronze	EN 1982 CC491K
8	Core	DZR Brass	EN 12164 CW602N
9	Bonnet Washer	Brass	EN 12165 CW617N-DW
10	Body	Bronze	EN 1982 CC491K
11	Seat	PTFE	PTFE
12	Core retention Nut	Brass	EN 12165 CW617N-DW
13	Seat Nut	Brass	EN 12165 CW617N-DW

### Features and benefits:

- WRAS approved for drinking water systems.
- Provides accurate regulation and control of flow.
- Rising stem design.
- High quality bronze construction.
- Robust and compact design.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Suitable for use with low temperature hot water and chilled systems.
- Sizes 1 1/4 and above are CE marked – Category 1.

### Globe Valve - 1130

Handwheel Order Code EN 10226-2 (ISO 7-1) thread	Handwheel Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
113020RRW320404	113020FFW320404	1/2"	15	60	95	2.9	0.30
113020RRW320606	113020FFW320606	3/4"	20	65	100	-	0.54
113020RRW320808	113020FFW320808	1"	25	80	115	12	0.84
113020RRW321010	113020FFW321010	1 1/4"	32	90	135	-	1.36
113020RRW321212	113020FFW321212	1 1/2"	40	100	155	-	1.76
113020RRW321616	113020FFW321616	2"	50	120	174	72	2.97
113020RRW322020*	113020FFW322020*	2 1/2"	65	145	-	-	4.14
113020RRW322424*	113020FFW322424*	3"	80	200	-	-	5.68
113020RRW323232*	113020FFW323232*	4"	100	-	-	-	-

\*Valves available to special order.

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air* (Oil Free)	Gas* (Inert)	Gas* (Combustible)	Gas* (Corrosive)	Gas (Oxygen)
1130	x	✓	✓	✓	✓	✓	✓	✓	x

\* Limited to 10 bar.

### Max. working parameters

1130	Temperature °C	Pressure bar	Pressure psi
Water	-10 to + 100	32	460
Gas	-10 to +60	5	70

### Gas family application guide

Class 1: Inert – Air, Argon, Helium, Nitrogen and Carbon Dioxide

Class 2: Combustible – Hydrogen, Methane and Natural Gas

Class 3: Corrosive - Sulphur Dioxide

Class 4: Oxygen

### Specification Clauses:

Manufactured in accordance with EN 5154: 1991 Series B, PN32.

Design incorporates a replaceable resilient seat disc retained on the stem by a nut.

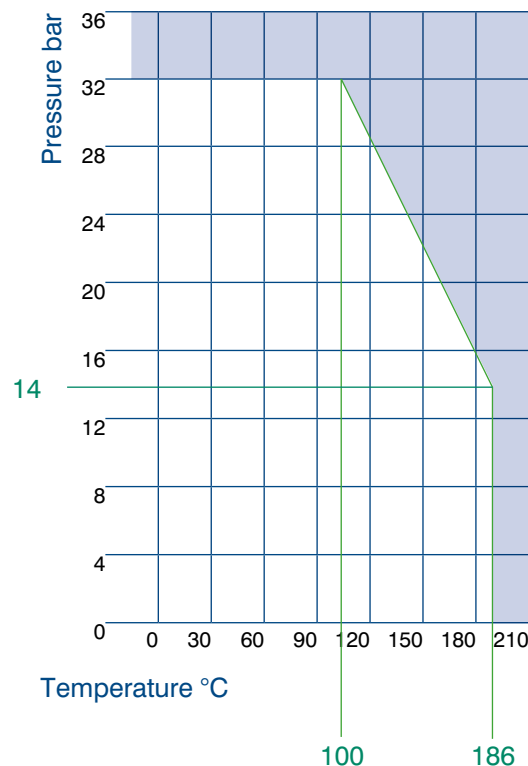
Body seat is integral to the body.

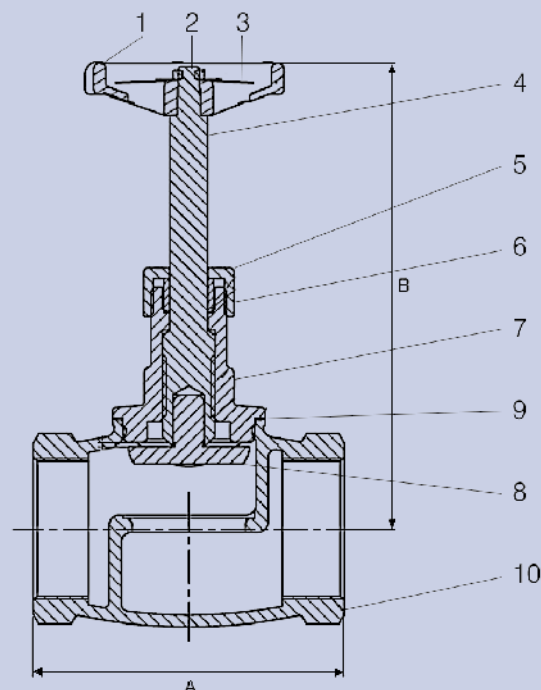
Handwheel operated.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems.

Suitable for low temperature hot water and chilled systems.





## Valve range

1131 Globe Valve - Metal to Metal Seat - PN32 - (Bronze)

### Material specification

Handwheel Version: 1131 - 1/2" - 4"

No	Component	Material	Specification
1	Handwheel	Aluminium	EN 1706 LM6
2	Rating Disc	Aluminium	EN 1706 LM6
3	Handwheel Nut	Brass	EN 12165 CW614N
4	Stem	Bronze	EN 1982 CC491K
5	Packing Nut	Bronze	EN 12165 CW617N-DW
6	Packing	PTFE	PTFE
7	Bonnet	Bronze	EN 1982 CC491K
8	Core	DZR Brass	EN 12164 CW602N
9	Bonnet Washer	PTFE	PTFE
10	Body	Bronze	EN 1982 CC491K

### Features and benefits:

- Designed in accordance with EN 5154.
- WRAS approved for drinking water systems.
- Provides accurate regulation and control of flow.
- Rising stem design.
- High quality bronze construction.
- Robust and compact design.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Approved for drinking water applications.
- Suitable for use with low temperature hot water and chilled systems.

### Globe Valve - 1131

Handwheel Order Code EN 10226-2 (ISO 7-1) thread	Handwheel Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
113120RRW320404	113120FFW320404	1/2"	15	60	95	2.9	0.31
113120RRW320606	113120FFW320606	3/4"	20	65	100	-	0.54
113120RRW320808	113120FFW320808	1"	25	80	115	12	0.84
113120RRW321010	113120FFW321010	1 1/4"	32	90	135	-	1.36
113120RRW321212	113120FFW321212	1 1/2"	40	100	155	-	1.76
113120RRW321616	113120FFW321616	2"	50	120	174	72	2.62
113120RRW322020*	113120FFW322020*	2 1/2"	65	145	-	-	4.14
113120RRW322424*	113120FFW322424*	3"	80	200	-	-	5.68
113120RRW323232*	113120FFW323232*	4"	100	-	-	-	-

\*Valves available to special order.

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1131	x	✓	✓	✓	✓	x	x	x	x

### Max. working parameters

1131	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	32	460

This valve is not suitable for gas applications.

### Specification clauses:

Manufactured in accordance with EN 5154: 1991 Series B, PN32.

Design incorporates a metal seat disc retained on the stem.

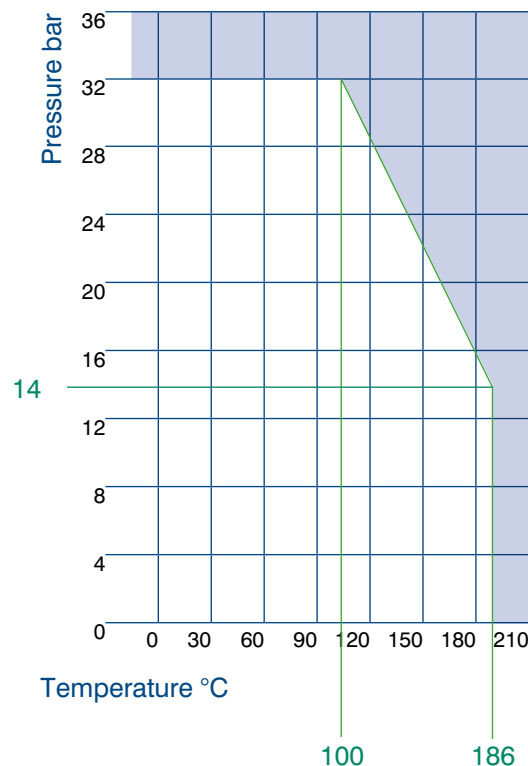
Body seat is integral to the body.

Handwheel operated.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water systems.

Suitable for low temperature hot water and chilled systems.



# Conex | Bänninger



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Conex | Bänninger  
**Triflow Solder Ring**

Conex | Bänninger  
**Delcop End Feed**

Conex | Bänninger  
**Delbraze**

Conex | Bänninger  
**>B< Press**

Conex | Bänninger  
**>B< Press Gas**

Conex | Bänninger  
**>B< Press Solar**

Conex | Bänninger  
**>B< Press XL**

Conex | Bänninger  
**>B< Press Carbon**

Conex | Bänninger  
**>B< Press Inox**

Conex | Bänninger  
**>B< Flex**

Conex | Bänninger  
**>B< Push**

Conex | Bänninger  
**Push-Fit**

Conex | Bänninger  
**Cuprofit**

Conex | Bänninger  
**K65®**

Conex | Bänninger  
**Valves**

Conex | Bänninger  
**>B< Oyster**

Conex | Bänninger  
**Medical Gas**

Conex | Bänninger  
**OEM**

Conex | Bänninger  
**>B< ACR**

Conex | Bänninger  
**Series 3000**

Conex | Bänninger  
**Series 8000**

Conex | Bänninger  
**Series 8000 M**



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China  
IBP China

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## Quarter Turn Ball Valves Range



## Conex Bänninger Quarter Turn Ball Valves

Conex Bänninger Quarter Turn Ball Valves are compact, easy and quick to operate. Requiring only a quarter turn to open or close the valve, they are available with either lever, or 'T' handles. Variants are available for gas and water applications. Conex Bänninger Ball Valves are full bore valves comprising an oversized ball so that the hole in the center is the same diameter as the pipeline, which results in low friction losses and flow rates similar to that of the pipe.

### Durable and reliable

Ball Valves are durable and extremely reliable in use. The Conex Bänninger Quarter Turn Ball Valves can be opened and closed quickly. This makes them the preferred choice for isolation applications where the system needs to be shut-off quickly or the valves are used frequently.

### Materials

Conex Bänninger Quarter Turn Ball Valves are available in high quality chrome plated brass and DZR brass and have an excellent resistance to corrosion. Additionally, all the valves in the range have a chrome-plated ball.

### Applications

Conex Bänninger DZR Valves are designed for use in HEVAC applications including low temperature hot water and chilled systems, whilst the brass ball valves have been designed for drinking water.

### Quality assurance

Conex Universal Ltd is an ISO 9001 Quality Assured Company registered with BSI.

### 5-year warranty

When professionally fitted and in accordance with the installation instructions, Conex Banninger Valves are guaranteed against manufacturing defects for five years from first purchase date. Any alleged defects must be reported to Conex Universal Ltd within one month of the first occurrence, clearly setting out the nature of the claim. The warranty is limited to the repair and replacement of defective fittings at the discretion of Conex Universal Ltd and the company reserves the right to inspect and test the alleged defects. This warranty provided by Conex Universal Ltd does not affect your statutory rights. For more information visit [www.conexbanninger.com](http://www.conexbanninger.com).

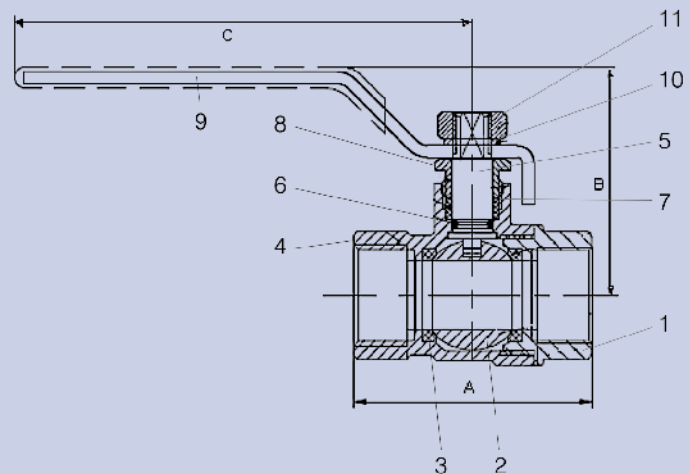
### General information

Performance data, including pressure - temperature ratings have been developed from published standards, supplier material specifications, design calculations and in-house testing. They cover typical applications for the Conex Bänninger Valve product range and are provided as a general guideline.

For specific applications, users are advised to contact Conex Universal Ltd for technical advice. Failure to follow advised installation instructions may result in damage and personal injury for which Conex Universal Ltd cannot be held liable.

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## Valves range

1200 Quarter Turn Ball Valve - PN25 - (DZR) - Red Lever

### Material specification

**Lever Handle Version: 1200 - 1/2" - 2"**

No	Component	Material	Specification
1	End Connector	DZR Brass	EN 12165 CW602N
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	DZR Brass	EN 12165 CW602N
5	Stem	DZR Brass	EN 12164 CW602N
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N - DW
9	Lever Handle	Steel	EN 24T + Polyethylene HD
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

### Features and benefits:

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- Full DZR construction.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water applications.
- Suitable for low temperature hot water and chilled systems.
- Unique Conex Bänninger lever handle.

### Ball Valve - 1200

Lever Handle Order Code EN 10226-2 (ISO 7-1) thread	Lever Handle Order Code ISO 228 thread	Size	DN	A	B	C	Kv Value	Weight (kg)
120050RRR250404	120050FFR250404	½"	15	55	48	95	16	0.208
120050RRR250606	120050FFR250606	¾"	20	65	52	95	30	0.332
120050RRR250808	120050FFR250808	1"	25	78	65	130	48	0.602
120050RRR251010	120050FFR251010	1¼"	32	91	69	130	100	0.927
120050RRR251212	120050FFR251212	1½"	40	99	80	160	170	1.362
120050RRR251616	120050FFR251616	2"	50	119	88	160	230	2.224

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1200	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1200	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	25	360

### Specification clauses:

Lever operated quarter turn, tight shut-off.

DZR brass body, stem and end connector.

Chrome plated brass ball.

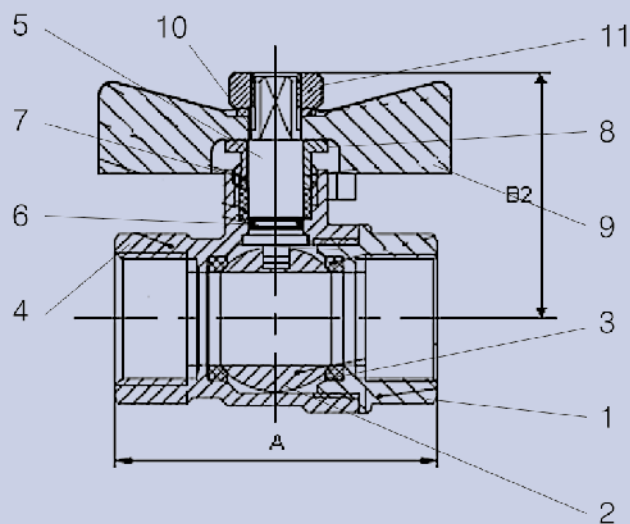
PTFE seats and stem gland seal.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water applications.

EPDM Stem O-ring.

Suitable for low temperature hot water and chilled systems.



## Valves range

### 1205 Quarter Turn Ball Valve - PN25 - (DZR) - Red Tee

#### Material specification

**Tee Handle Version: 1205 - 1/2" - 1"**

No	Component	Material	Specification
1	End Connector	DZR Brass	EN 12165 CW602N
2	Ball	Brass - Chrome Plate	EN 12165 CW617N-DW
3	Ball Seal	PTFE	PTFE
4	Body	DZR Brass	EN 12165 CW602N
5	Stem	DZR Brass	EN 12164 CW602N
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N-DW
9	Tee Handle	Aluminium	EN 1706 LM6
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

**Features and benefits:**

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- Full DZR construction.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water applications.
- Suitable for low temperature hot water and chilled systems.

**Ball Valve - 1205**

Tee Handle Order Code EN 10226-2 (ISO 7-1) thread	Tee Handle Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
120550RRT250404	120550FFT250404	1/2"	15	55	38	16	0.187
120550RRT250606	120550FFT250606	3/4"	20	65	42	30	0.332
120550RRT250808	120550FFT250808	1"	25	78	50	48	0.590

**Valve suitability**

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1205	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

**Max. working parameters**

1205	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	25	360

**Specification clauses:**

Tee operated quarter turn, tight shut-off.

DZR brass body, stem and end connector.

Chrome plated brass ball.

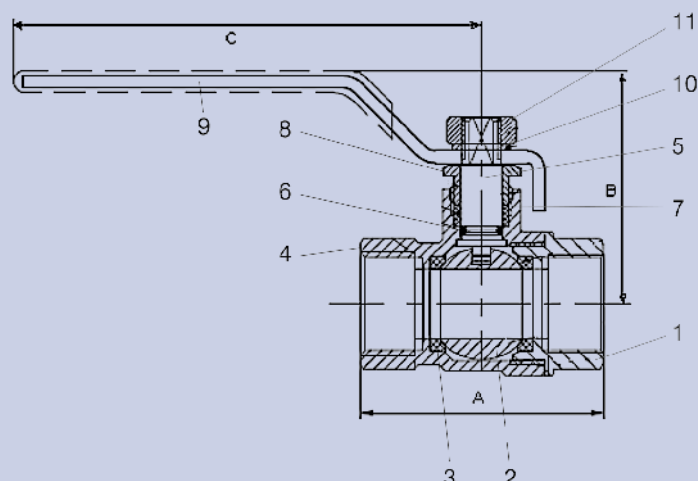
PTFE seats and stem gland seal.

EPDM stem O-ring.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water applications.

Suitable for low temperature hot water and chilled systems.



## Valves range

1210 Quarter Turn Ball Valve - PN40 - (Brass Chrome Plated) - Red Lever

### Material specification

Lever Handle Version: 1210 - 1/2" - 2"

No	Component	Material	Specification
1	End Connector	Brass – Chrome Plate	EN 12165 CW617N - DW
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	Brass – Chrome Plate	EN 12165 CW617N - DW
5	Stem	Brass	EN 12164 CW617N - DW
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N - DW
9	Lever Handle	Steel	EN 24T + Polyethylene HD
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

### Features and benefits:

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water applications.
- Unique Conex Bänninger lever handle.

### Ball Valve - 1210

Lever Handle Order Code EN 10226-2 (ISO 7-1) thread	Lever Handle Order Code ISO 228 thread	Size	DN	A	B	C	kv Value	Weight (kg)
121013RRR400404	121010FFR400404	1/2"	15	55	48	95	16	0.226
121013RRR400606	121010FFR400606	3/4"	20	65	52	95	30	0.400
121013RRR400808	121010FFR400808	1"	25	78	65	130	48	0.648
121013RRR401010	121010FFR401010	1 1/4"	32	91	69	130	100	0.976
121013RRR401212	121010FFR401212	1 1/2"	40	99	80	160	170	1.430
121010RRR401616	121010FFR401616	2"	50	119	88	160	230	2.450

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1210	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1210	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	40	580

### Specification clauses:

Lever operated quarter turn, tight shut-off.

Brass body, stem and cap.

Chrome plated brass ball, body and end connectors.

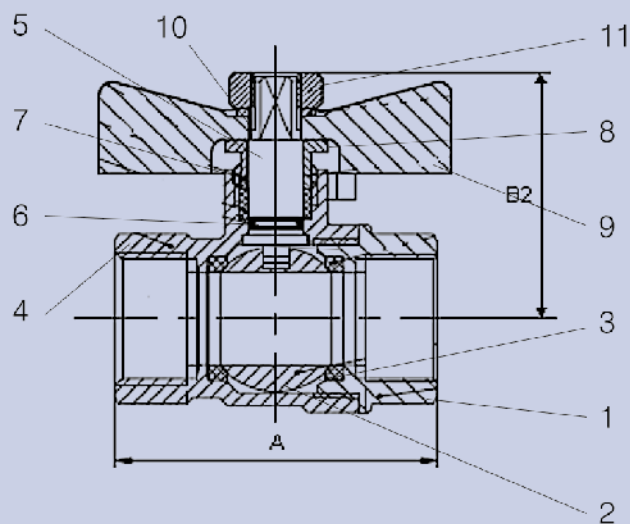
PTFE seats and stem gland seal.

EPDM stem O-ring.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water applications.





## Valves range

1215 Quarter Turn Ball Valve - PN40 - (Brass Chrome Plated) - Red Tee

### Material specification

**Tee Handle Version: 1215 - 1/2" - 1"**

No	Component	Material	Specification
1	End Connector	Brass – Chrome Plate	EN 12165 CW617N - DW
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	Brass – Chrome Plate	EN 12165 CW617N - DW
5	Stem	Brass	EN 12164 CW617N - DW
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N - DW
9	Tee Handle	Aluminium	EN 1706 LM6
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

**Features and benefits:**

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water applications.

**Ball Valve - 1215**

Tee Handle Order Code EN 10226-2 (ISO 7-1) thread	Tee Handle Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
121513RRT400404	121513FFT400404	1/2"	15	55	38	16	0.226
121513RRT400606	121513FFT400606	3/4"	20	65	42	30	0.400
121513RRT400808	121513FFT400808	1"	25	78	50	48	0.648

**Valve suitability**

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1215	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

**Max. working parameters**

1215	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	40	580

**Specification clauses:**

Tee operated quarter turn, tight shut-off.

Chrome plated brass ball, body and end connectors.

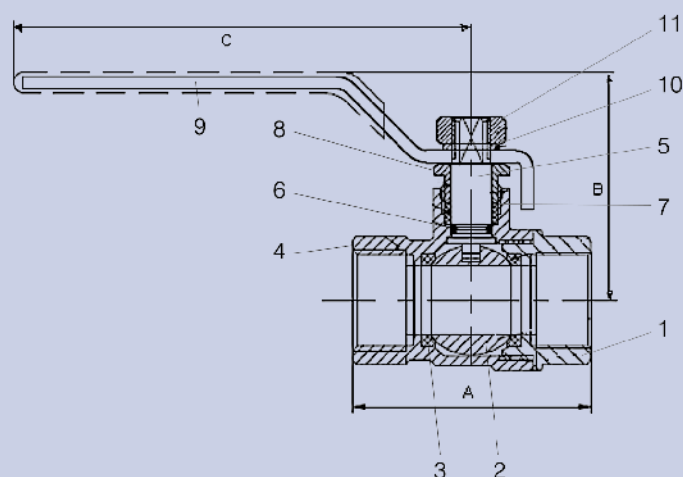
Brass, stem.

PTFE seats and stem gland seal.

EPDM stem O-ring.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water applications.



## Valves range

### 1220 Quarter Turn Ball Valve - PN40 - (DZR) - Red Lever

#### Material specification

Lever Handle Version: 1220 - 1/2" - 2"

No	Component	Material	Specification
1	End Connector	DZR Brass	EN 12165 CW602N
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	DZR Brass	EN 12165 CW602N
5	Stem	DZR Brass	EN 12164 CW602N
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N - DW
9	Lever Handle	Steel	EN 24T + Polyethylene HD
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

### Features and benefits:

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- Full DZR construction.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water applications.
- Suitable for low temperature hot water and chilled systems.
- Unique Conex Bänninger lever handle.

### Ball Valve - 1220

Lever Handle Order Code EN 10226-2 (ISO 7-1) thread	Lever Handle Order Code ISO 228 thread	Size	DN	A	B	C	Kv Value	Weight (kg)
122050RRR400404	122050FFR400404	1/2"	15	55	48	95	16	0.226
122050RRR400606	122050FFR400606	3/4"	20	65	52	95	30	0.360
122050RRR400808	122050FFR400808	1"	25	78	65	130	48	0.648
122050RRR401010	122050FFR401010	1 1/4"	32	91	69	130	100	0.976
122050RRR401212	122050FFR401212	1 1/2"	40	99	80	160	170	1.430
122050RRR401616	122050FFR401616	2"	50	119	88	160	230	2.050

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1220	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1220	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	40	580

### Specification clauses:

Lever operated quarter turn, tight shut-off.

DZR brass body, stem and cap.

Chrome plated brass ball.

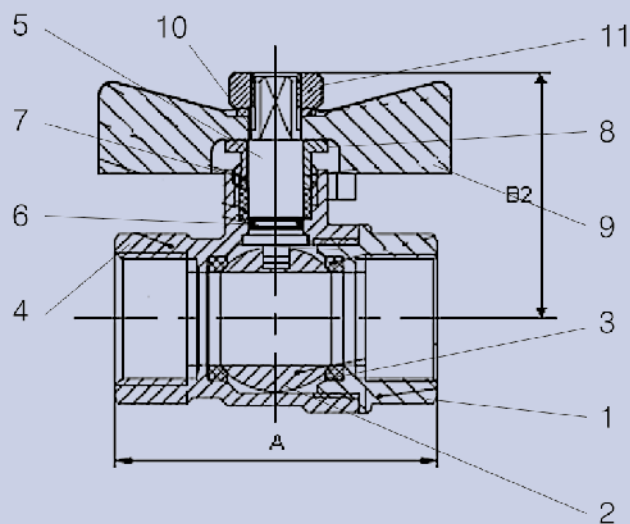
PTFE seats and stem gland seal.

EPDM stem O-ring.

End connections, taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water applications.

Suitable for low temperature hot water and chilled systems.



## Valves range

### 1225 Quarter Turn Ball Valve - PN40 - (DZR) - Red Tee

#### Material specification

Tee Handle Version: 1225 - 1/2" - 1"

No	Component	Material	Specification
1	End Connector	DZR Brass	EN 12165 CW602N
2	Ball	Brass - Chrome Plate	EN 12165 CW617N-DW
3	Ball Seal	PTFE	PTFE
4	Body	DZR Brass	EN 12165 CW602N
5	Stem	DZR Brass	EN 12164 CW602N
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N-DW
9	Tee Handle	Aluminium	EN 1706 LM6
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

**Features and benefits:**

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- Full DZR construction.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel to ISO 228.
- WRAS approved for drinking water applications.
- Suitable for low temperature hot water and chilled systems.

**Ball Valve - 1225**

Tee Handle Order Code EN 10226-2 (ISO 7-1) thread	Tee Handle Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
122550RRT400404	122550FFT400404	1/2"	15	55	38	16	0.210
122550RRT400606	122550FFT400606	3/4"	20	65	42	30	0.342
122550RRT400808	122550FFT400808	1"	25	78	50	48	0.648

**Valve suitability**

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1225	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

**Max. working parameters**

1225	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	40	580

**Specification clauses:**

Tee operated quarter turn, tight shut-off.

DZR brass body, stem and cap.

Chrome plated brass ball.

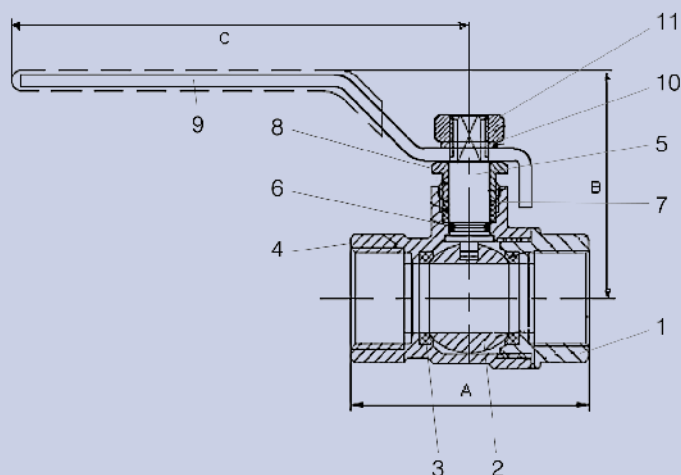
PTFE seats and stem gland seal.

EPDM stem O-ring.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water applications.

Suitable for low temperature hot water and chilled water systems.



## Valves range

1230 Quarter Turn Ball Valve - PN25 - (Brass Chrome Plated) - Red Lever

### Material specification

Lever Handle Version: 1230 - 1/2" - 2"

No	Component	Material	Specification
1	End Connector	Brass - Chrome Plate	EN 12165 CW617N - DW
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	Brass - Chrome Plate	EN 12165 CW617N - DW
5	Stem	Brass	EN 12164 CW617N - DW
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N - DW
9	Lever Handle	Steel	EN 24T + Polyethylene HD
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510



### Features and benefits:

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Designed in accordance with WRAS requirements.
- Unique Conex Bänninger lever handle.

### Ball Valve - 1230

Lever Handle Order Code EN 10226-2 (ISO 7-1) thread	Lever Handle Order Code ISO 228 thread	Size	DN	A	B	C	Kv Value	Weight (kg)
123013RRR250404	123013FFR250404	1/2"	15	55	48	95	16	0.207
123013RRR250606	123013FFR250606	3/4"	20	65	52	95	30	0.333
123013RRR250808	123013FFR250808	1"	25	78	65	130	48	0.602
123013RRR251010	123013FFR251010	1 1/4"	32	91	69	130	100	0.927
123013RRR251212	123013FFR251212	1 1/2"	40	99	80	160	170	1.369
123013RRR251616	123013FFR251616	2"	50	119	88	160	230	2.225

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1230	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1230	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	25	360

### Specification clauses:

Lever operated quarter turn, tight shut-off.

Chrome plated brass ball, body and end connectors.

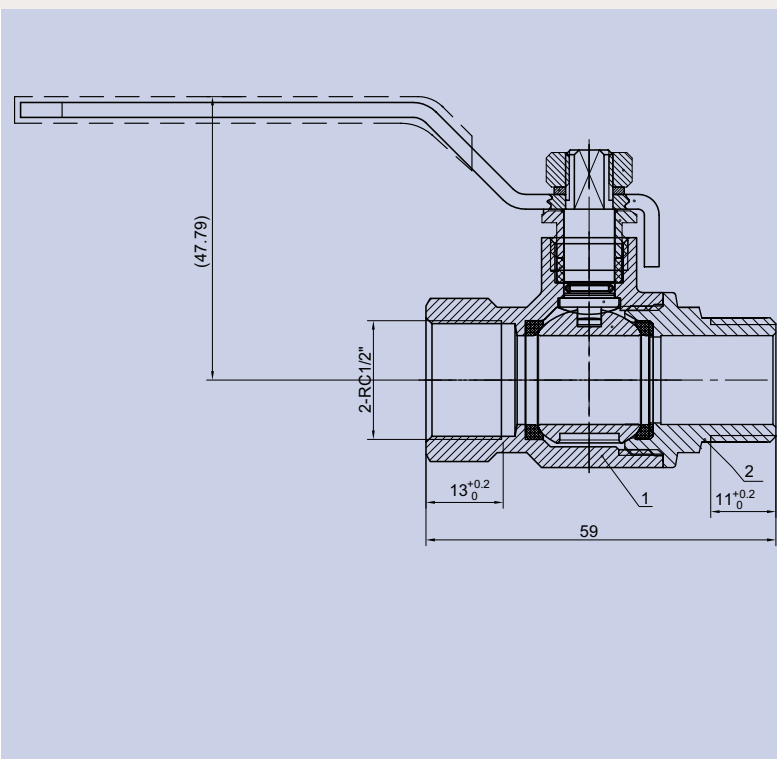
Brass body, stem and cap.

PTFE seats and stem gland seal.

EPDM stem O-ring.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

Designed in accordance with WRAS requirements.



## Valves range

1231 Quarter Turn Ball Valve M x F - PN25 - (Brass Chrome Plated) - Red Lever

### Material specification

Lever Handle Version: 1231 - 1/2" - 2"

No	Component	Material	Specification
1	End Connector	Brass - Chrome Plate	EN 12165 CW617N - DW
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	Brass - Chrome Plate	EN 12165 CW617N - DW
5	Stem	Brass	EN 12164 CW617N - DW
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N - DW
9	Lever Handle	Steel	EN 24T + Polyethylene HD
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

### Features and benefits:

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- Male x female end connections, taper threads to EN 10226-2 (ISO 7-1).
- Designed in accordance with WRAS requirements.
- Unique Conex Bänninger lever handle.

### Ball Valve - 1231

Lever Handle Order Code EN 10226-2 (ISO 7-1) thread	Size	DN	A	B	C	Kv Value	Weight (kg)
123113TRR250404	1/2"	15	55	48	95	16	0.208
123113TRR250606	3/4"	20	65	52	95	30	0.312
123113TRR250808	1"	25	78	65	130	48	0.602
123113TRR251010	1 1/4"	32	91	69	130	100	0.924
123113TRR251212	1 1/2"	40	99	80	160	170	1.362
123113TRR251616	2"	50	119	88	160	230	2.224

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1231	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1231	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	25	360

### Specification clauses:

Lever operated quarter turn, tight shut-off.

Chrome plated brass ball, body and end connectors.

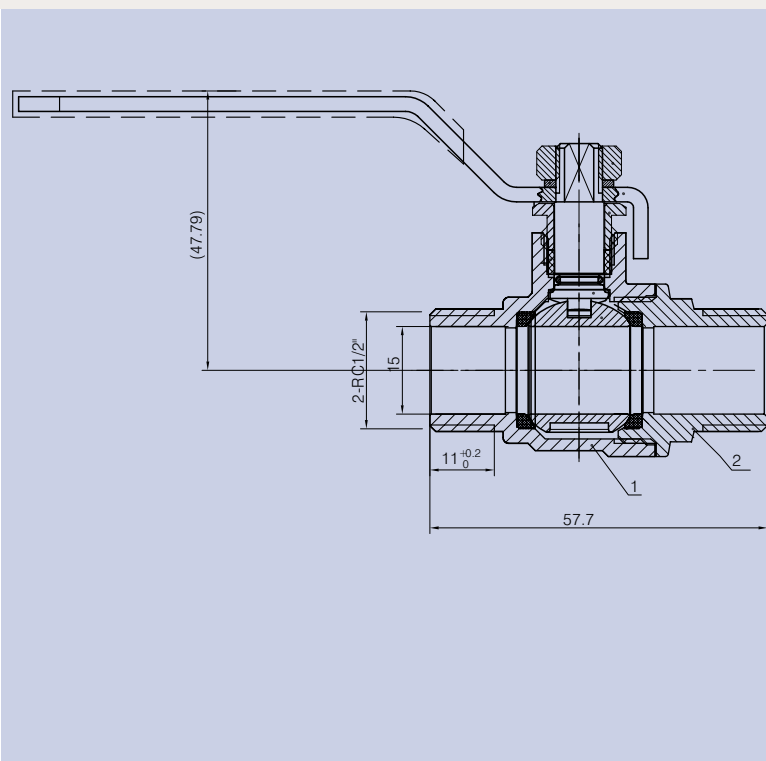
Brass stem.

PTFE seats and stem gland seal.

EPDM stem O-ring.

Male x female end connections, female taper threads to EN 10226-2 (ISO 7-1).

Designed in accordance with WRAS requirements.



## Valves range

1232 Quarter Turn Ball Valve M x M - PN25 - (Brass Chrome Plated) - Red Lever

### Material specification

Lever Handle Version: 1232 - 1/2" - 2"

No	Component	Material	Specification
1	End Connector	Brass - Chrome Plate	EN 12165 CW617N - DW
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	Brass - Chrome Plate	EN 12165 CW617N - DW
5	Stem	Brass	EN 12164 CW617N - DW
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N - DW
9	Lever Handle	Steel	EN 24T + Polyethylene HD
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

### Features and benefits:

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- End connections male x male, taper threads to EN 10226-2 (ISO 7-1).
- Designed in accordance with WRAS requirements.
- Unique Conex Bänninger lever handle.

### Ball Valve - 1232

Lever Handle Order Code EN 10226-2 (ISO 7-1) thread	Size	DN	A	B	C	Kv Value	Weight (kg)
123213TTR250404	½"	15	55	48	95	16	0.208
123213TTR250606	¾"	20	65	52	95	30	0.312
123213TTR250808	1"	25	78	65	130	48	0.602
123213TTR251010	1¼"	32	91	69	130	100	0.924
123213TTR251212	1½"	40	99	80	160	170	1.362
123213TTR251616	2"	50	119	88	160	230	2.224

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1232	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1232	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	25	360

### Specification clauses:

Lever operated quarter turn, tight shut-off.

Brass stem.

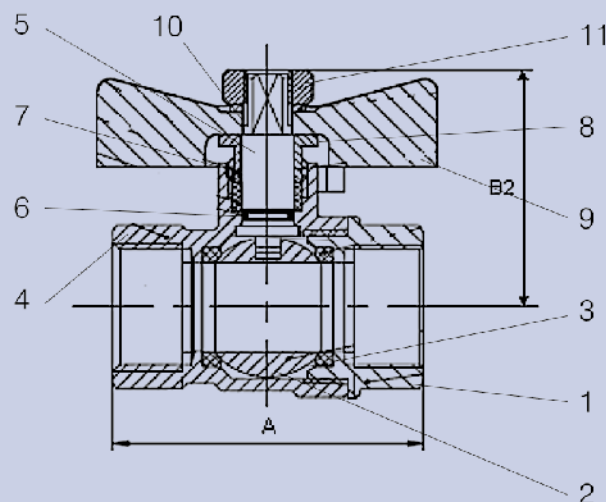
Chrome plated brass ball, body and end connectors.

PTFE seats and stem gland seal.

EPDM stem O-ring.

End connections male x male, taper threads to EN 10226-2 (ISO 7-1).

Designed in accordance with WRAS requirements.



## Valves range

1235 Quarter Turn Ball Valve - PN25 - (Brass Chrome Plated) - Red Tee

### Material specification

**Tee Handle Version: 1235 - 1/2" - 1"**

No	Component	Material	Specification
1	End Connector	Brass - Chrome Plate	EN 12165 CW617N - DW
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	Brass - Chrome Plate	EN 12165 CW617N - DW
5	Stem	Brass	EN 12164CW617N - DW
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N-DW
9	Tee Handle	Aluminium	EN 1706 LM6
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

**Features and benefits:**

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Designed in accordance with WRAS requirements.

**Ball Valve - 1235**

Tee Handle Order Code EN 10226-2 (ISO 7-1) thread	Tee Handle Order Code ISO 228	Size	DN	A	B	Kv value	Weight (kg)
123513RRT250404	123513FFT250404	1/2"	15	55	38	16	0.208
123513RRT250606	123513FFT250606	3/4"	20	65	42	30	0.312
123513RRT250808	123513FFT250808	1"	25	78	50	48	0.602

**Valve suitability**

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1235	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

**Max. working parameters**

1235	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	25	360

**Specification clauses:**

Tee operated quarter turn, tight shut-off.

Brass stem.

Chrome plated brass ball, body and end connector.

PTFE seats and stem gland seal.

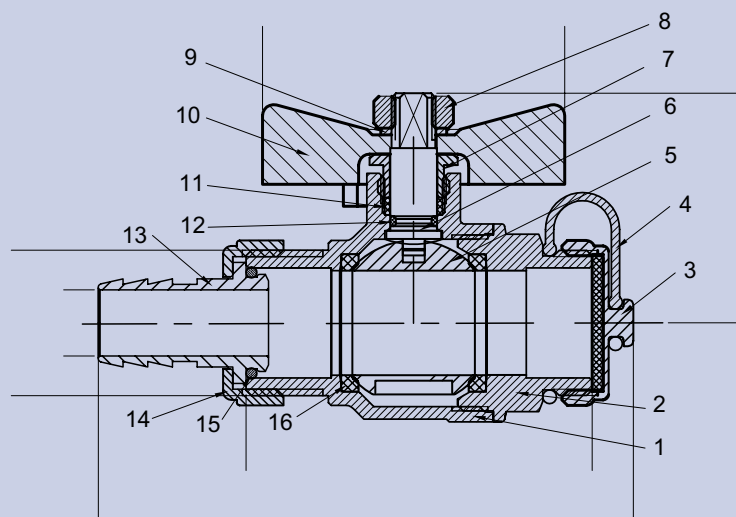
EPDM stem O-ring.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

Designed in accordance with WRAS requirements.

This valve is not suitable for gas applications.





## Valves range

### 1256 Quarter Turn Ball Valve - PN16 - (DZR) - Hose Union Drain Tap

#### Material specification

**Tee Handle Version: 1256 - 1/2" - 3/4"**

No	Component	Material	Specification
1	Body	DZR Brass	EN 12165 CW602N
2	End Cap	DZR Brass	EN 12165 CW602N
3	Dust Cap	Brass	EN 12165 CW617N
4	Retaining Strap	EPDM	EN 2430:1995
5	Ball	DZR Brass	EN 12165 CW602N
6	Stem	DZR Brass	EN 12164 CW602N
7	Stem Nut	DZR Brass	EN 12164 CW602N
8	Nut	Stainless steel	ISO.15510
9	Spring Washer	Stainless steel	ISO.15510
10	Tee Handle	Aluminium	EN 1706 LM6
11	Gland	PTFE	PTFE
12	O-ring	EPDM	EN 2430:1995
13	Hose Union	Brass	EN 12165 CW617N
14	Retaining Cap	Brass	EN 12165 CW617N
15	O-ring	EPDM	EN 2430:1995
16	Ball Seat	PTFE	PTFE

**Features and benefits:**

- Full bore Quarter Turn Ball Valve.
- Full DZR construction.
- Blow out proof stem.
- End connections, male parallel threads to ISO 228.
- Supplied with hose union and dust cap.

**Ball Valve - 1256**

Tee Handle Order Code ISO 228	Size	DN	A	B	Kv Value	Weight (kg)
125650MHT160404	1/2"	15	93	38	16	0.252
125650MHT160606	3/4"	20	97	41	30	0.380

**Valve suitability**

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1256	x	✓	✓	✓	✓	x	x	x	x

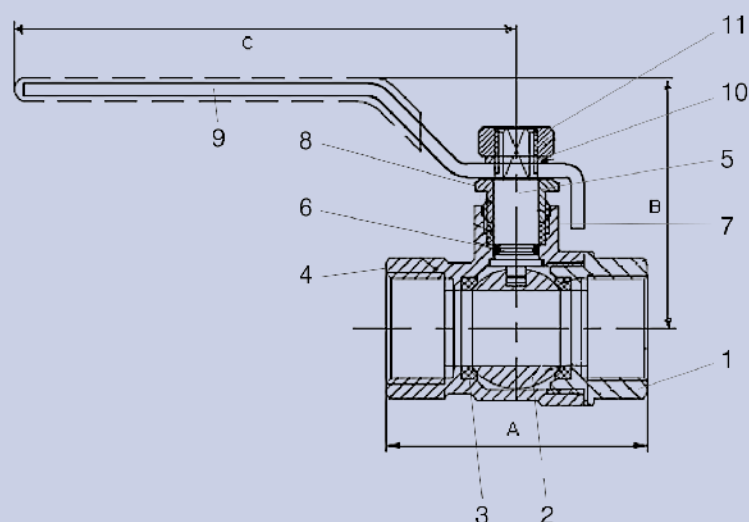
This valve is not suitable for gas applications.

**Max. working parameters**

1256	Temperature °C	Pressure bar	Pressure psi
Water	-20 to +80	16	230

**Specification clauses:**

- Tee handle operated quarter turn, tight shut-off.
- DZR brass body stem and cap.
- Chrome plated brass ball.
- PTFE seats and stem seals.
- EPDM stem O-ring.
- End connections, male parallel threads to ISO 228.
- WRAS approved for drinking water applications.
- Suitable for low temperature hot water and chilled systems.
- Supplied with hose union and dust cap.



## Valves range

1260 Quarter Turn Ball Valve - PN25 - (Brass Chrome Plated) - Red Lever - Short Thread Series

### Material specification

Lever Handle Version: 1260 - 1/2" - 2"

No	Component	Material	Specification
1	End Connector	Brass - Chrome Plate	EN 12165 CW617N - DW
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	Brass - Chrome Plate	EN 12165 CW617N - DW
5	Stem	Brass	EN 12164 CW617N - DW
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N - DW
9	Lever Handle	Steel + PVC	EN 24T + PVC
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

### Features and benefits:

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Short thread series allows minimum effective thread length for seal.
- WRAS approved for drinking water applications.
- Unique Conex Bänninger lever handle.

### Ball Valve - 1260

Lever Handle Order Code EN 10226-2 (ISO 7-1) thread	Lever Handle Order Code ISO 228 thread	Size	DN	A	B	C	Kv Value	Weight (kg)
126013RRR250404	126013FFR250404	1/2"	15	50	48	95	16	0.186
126013RRR250606	126013FFR250606	3/4"	20	58	52	95	30	0.264
126013RRR250808	126013FFR250808	1"	25	69	65	130	48	0.462
126013RRR251010	126013FFR251010	1 1/4"	32	81	69	130	100	0.614
126013RRR251212	126013FFR251212	1 1/2"	40	89	80	160	170	0.938
126013RRR251616	126013FFR251616	2"	50	110	88	160	230	1.450

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1260	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

### Max. working parameters

1260	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	25	360

### Specification clauses:

Lever operated quarter turn, tight shut-off.

Brass stem.

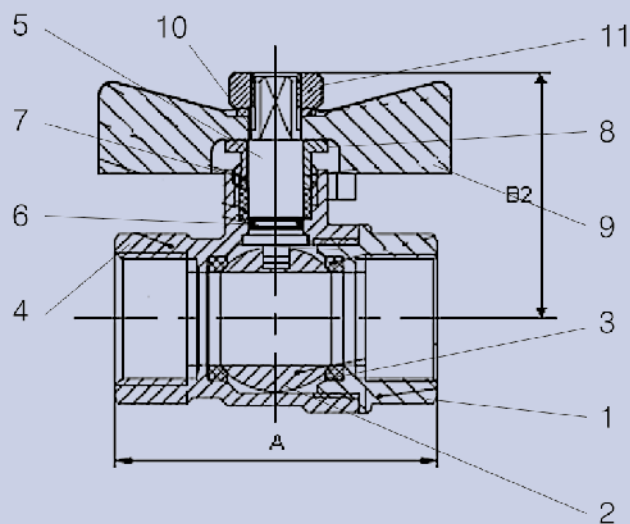
Chrome plated brass ball, body and end connector.

PTFE seats and stem gland seal.

EPDM stem O-ring.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water.



## Valves range

1265 Quarter Turn Ball Valve - PN25 - (Brass Chrome Plated) - Red Tee - Short Thread Series

### Material specification

**Tee Handle Version: 1265 - 1/2" - 1"**

No	Component	Material	Specification
1	End Connector	Brass - Chrome Plate	EN 12165 CW617N - DW
2	Ball	Brass - Chrome Plate	EN 12165 CW617N - DW
3	Ball Seal	PTFE	PTFE
4	Body	Brass - Chrome Plate	EN 12165 CW617N - DW
5	Stem	Brass	EN 12164 CW617N - DW
6	Stem O-ring	EPDM	EN 2430:1995
7	Gland	PTFE	PTFE
8	Packing Nut	Brass	EN 12164 CW617N - DW
9	Tee Handle	Aluminium	EN 1706 LM6
10	Washer	Stainless Steel	ISO.15510
11	Lever Nut	Stainless Steel	ISO.15510

### Features and benefits:

- Full bore Quarter Turn Ball Valve.
- Blow out proof stem.
- End connections, female taper threads designed to EN 10226-2 (ISO 7-1) and parallel threads ISO 228.
- Short thread series allows minimum effective thread length for seal.
- WRAS approved for drinking water applications.

#### Ball Valve - 1265

Tee Handle Order Code EN 10226-2 (ISO 7-1) thread	Tee Handle Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
126513RRT250404	126513FFT250404	1/2"	15	50	38	16	0.162
126513RRT250606	126513FFT250606	3/4"	20	58	42	30	0.244
126513RRT250808	126513FFT250808	1"	25	69	50	48	0.420

#### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1265	x	✓	✓	✓	✓	x	x	x	x

This valve is not suitable for gas applications.

#### Max. working parameters

1265	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +120	25	360

### Specification clauses:

Tee operated quarter turn, tight shut-off.

Chrome plated brass ball, body and end connector.

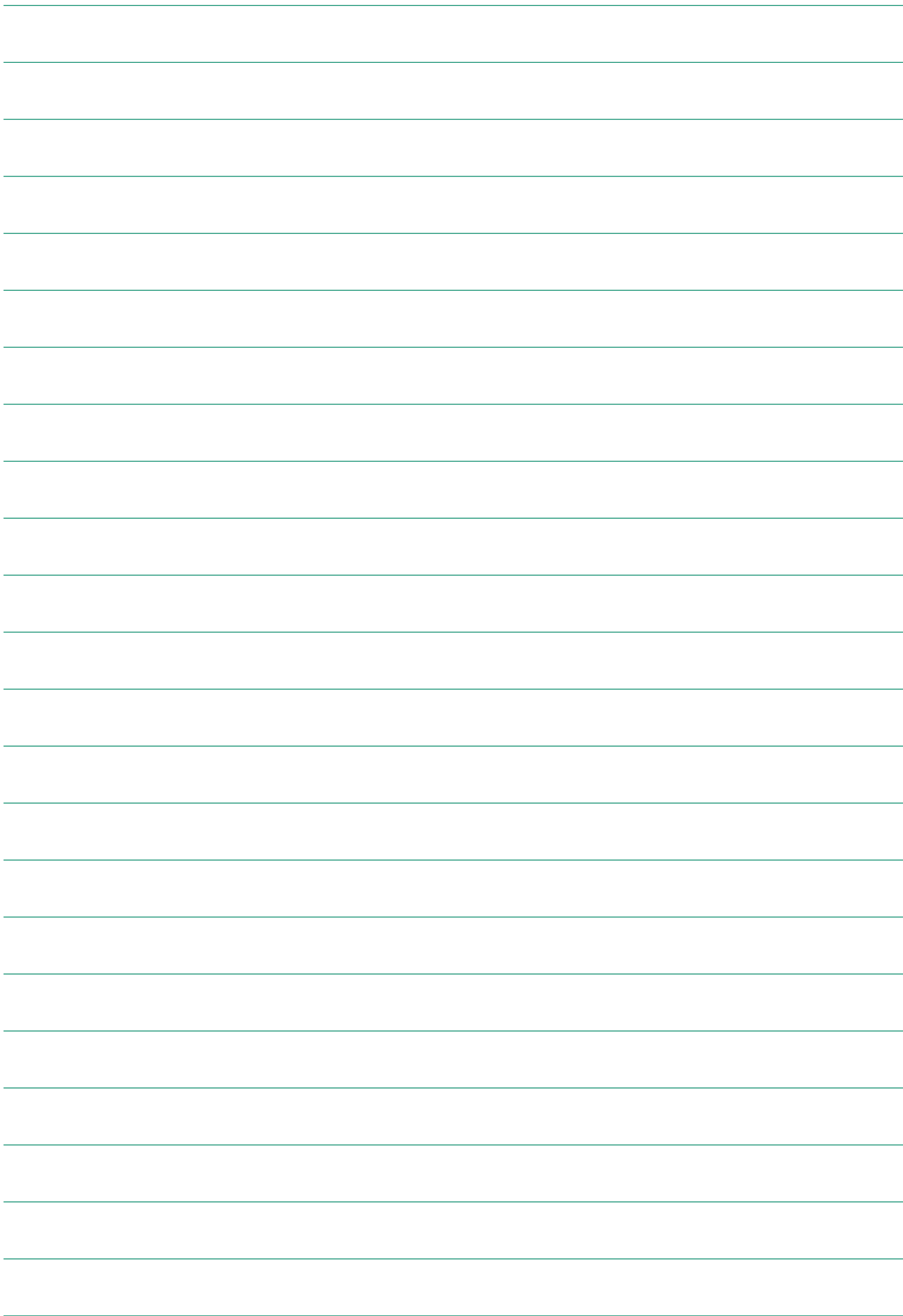
Brass stem.

PTFE seats and stem gland seal.

EPDM stem O-ring.

End connections, female taper threads designed to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water applications.







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Conex Bänninger products are approved by numerous Standards Authorities and Certification Bodies. For more details on this product range, please email our technical team at: [technical@ibpgroup.com](mailto:technical@ibpgroup.com). IBP trademarks are registered in numerous countries.



## Y-Pattern Strainer Valves Range



## Conex Bänninger Y-Pattern Strainer Valves

During installation and subsequent operation, debris and scale flowing through the system can cause considerable damage to pipeline systems. The use of Conex Bänninger Y-Pattern Strainer Valves will assist in reducing any problems caused by foreign bodies in the pipe. The design of the strainer body has been created to minimise the pressure drop across the valve by using a curved profile which assists in reducing turbulence. Conex Bänninger Y-Pattern Strainer Valves are sized to allow the valve to collect a reasonable amount of material before pressure reductions require the strainer to be cleaned.

### Applications and uses

Y-Pattern Strainer Valves are typically used in applications where the amount of solids to be removed is small, and where frequent clean-out is not required. Conex Bänninger Y-Pattern Strainer Valves are approved for drinking water, and are also suitable for low temperature hot water systems. In addition, bronze valves are suitable for chilled systems.

### Valve materials

Valves made from yellow brass are suitable for general purpose applications. They are not recommended for chilled water systems because of a risk of stress corrosion cracking or waters which may result in dezincification.

Valves made from bronze are suitable for a broad range of applications as they are classed as immune to dezincification, stress corrosion cracking and are highly corrosion resistant. Stress corrosion cracking occurs occasionally in brass valves where high levels of stress in the component are combined with a corrosive environment causing cracks to form and grow. Common corrosive environments for brass are items that contain ammonia, or ammoniacal compounds. These can be found in cleaning fluids, refrigeration gases, sewage waste products, building materials and insulating materials.

For further information refer to Stress Corrosion Cracking at [www.conexbanninger.com/standards](http://www.conexbanninger.com/standards)

### Quality assurance

Conex Universal Ltd is an ISO 9001 Quality Assured company and is registered with the BSI.

### 5-year warranty

When professionally fitted and in accordance with the installation instructions, Conex Bänninger Valves are guaranteed against manufacturing defects for five years from first purchase date. Any alleged defects must be reported to Conex Universal Ltd within one month of the first occurrence, clearly setting out the nature of the claim. The warranty is limited to the repair and replacement of defective fittings at the discretion of Conex Universal Ltd and the company reserves the right to inspect and test the alleged defects. This warranty provided by Conex Universal Ltd does not affect your statutory rights. For more information visit [www.conexbanninger.com](http://www.conexbanninger.com).

### General information

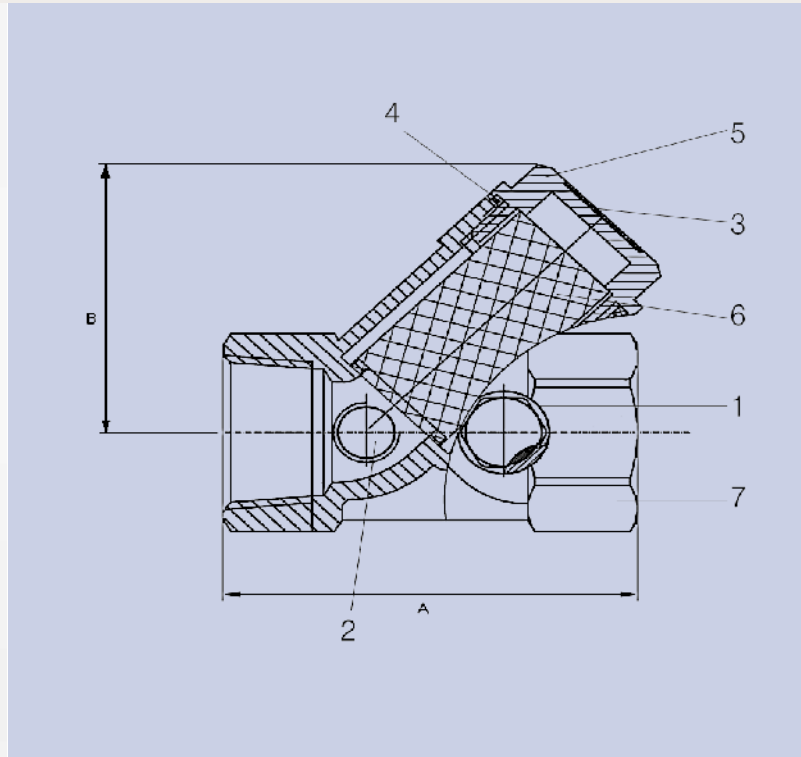
Performance data, including pressure - temperature ratings have been developed from published standards, supplier material specifications, design calculations and in-house testing. They cover typical applications for the Conex Bänninger Valve product range and are provided as a general guideline.

For specific applications, users are advised to contact Conex Universal Ltd for technical advice. Failure to follow advised installation instructions may result in damage and personal injury for which Conex Universal Ltd cannot be held liable.

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## Valve range

1802 Y-Pattern Strainer - PN16 - (Brass)

### Material specification

1802 - 1/2" - 4"

No	Component	Material	Specification
1	O-ring	EPDM	EN 2430:1995
2	Blanking Plug*	DZR Brass	EN 12164 CW602N
3	Rating Disc	Aluminium	EN 1706 LM6
4	Washer	PTFE	PTFE
5	Cap	Brass	EN 12165 CW617N-DW
6	Filter Screen	Stainless Steel	ISO.15510
7	Body	Brass	EN 12165 CW617N-DW

\*Drilled and tapped bosses to special order.

### Features and benefits:

- Streamlined design in order to minimise pressure drop.
- Stainless steel mesh, density 350 holes per square inch.
- Robust and compact design.
- Available with drilled and tapped bosses to special order.
- End connections taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- WRAS approved for drinking water applications.
- Suitable for low temperature hot water systems.

### Y-Pattern Strainer - 1802

Order Code BS EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
180210RR0160404	180210FF0160404	1/2"	15	65	42	2.35	0.152
180210RR0160606	180210FF0160606	3/4"	20	75	50	3.3	0.246
180210RR0160808	180210FF0160808	1"	25	90	56	6.5	0.358
180210RR0161010	180210FF0161010	1 1/4"	32	110	65	11	0.584
180210RR0161212	180210FF0161212	1 1/2"	40	120	75	13.5	0.868
180210RR0161616	180210FF0161616	2"	50	135	90	15.6	1.270
180210RR0162020*	180210FF0162020*	2 1/2"	65	-	-	-	-
180210RR0162424*	180210FF0162424*	3"	80	-	-	-	-
180210RR0163232*	180210FF0163232*	4"	100	-	-	-	-

\*Valves available to special order.

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1802	x	✓	✓	✓	x	x	x	x	x

The fluid to be transported is limited to Group 2 liquids i.e. non-hazardous and on no account should these valves be used for any Group 2 Gases, Group 1 Liquids or Group 1 Gases.

### Max. working parameters

1802	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	16	230

### Specification clauses:

Brass body.

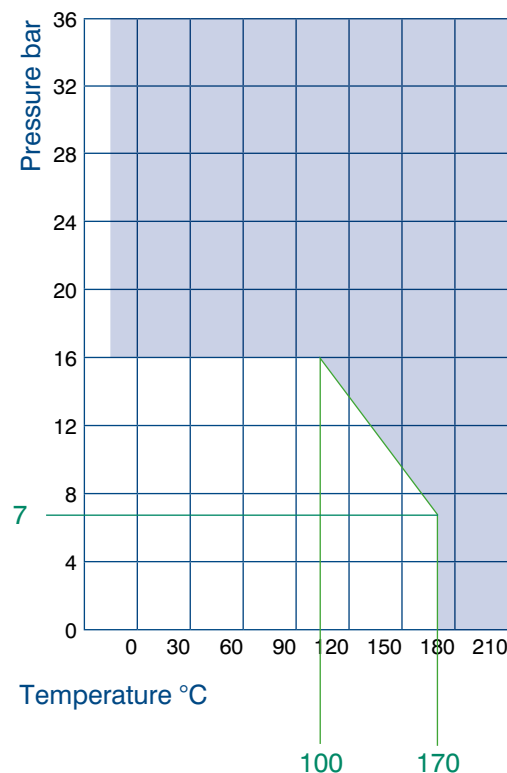
Brass screw in cap.

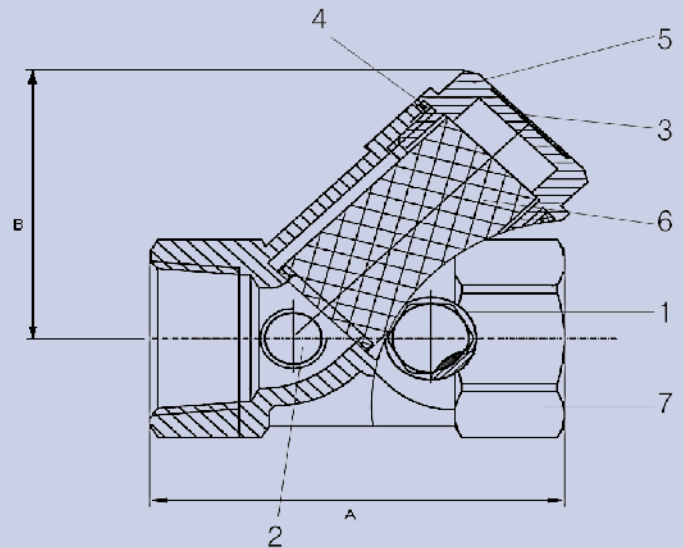
Stainless Steel SS304 screen, density 350 holes per square inch.

Test pressure 24 bar hydraulic.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water applications.





## Valve range

### 1804 Y-Pattern Strainer - PN16 - (Bronze)

#### Material specification

##### 1804 - 1/2" - 4"

No	Component	Material	Specification
1	O-ring	EPDM	EN 2430:1995
2	Blanking Plugs*	DZR Brass	EN 12164 CW602N
3	Rating Disc	Aluminium	EN 1706 LM6
4	Washer	PTFE	PTFE
5	Cap	Bronze	EN 1982 CC491K
6	Screen	Stainless Steel	ISO.15510
7	Body	Bronze	EN 1982 CC491K

\*Drilled and tapped bosses to special order.



### Features and benefits:

- Streamlined design in order to minimise pressure drop.
- Available with drilled and tapped bosses to special order
- Suitable for low temperature hot water and chilled systems.
- Bronze body with streamlined internal contour to minimise pressure drop across valve.
- End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.
- Stainless steel mesh, density 350 holes per square inch.
- WRAS approved for drinking water applications.

### Y-Pattern Strainer - 1804

Order Code BS EN 10226-2 (ISO 7-1) thread	Order Code ISO 228 thread	Size	DN	A	B	Kv Value	Weight (kg)
180420RR0160404	180420FF0160404	1/2"	15	65	42	2.35	0.21
180420RR0160606	180420FF0160606	3/4"	20	75	50	3.3	0.32
180420RR0160808	180420FF0160808	1"	25	90	56	6.5	0.48
180420RR0161010	180420FF0161010	1 1/4"	32	110	65	11	0.76
180420RR0161212	180420FF0161212	1 1/2"	40	120	75	13.5	1.00
180420RR0161616	180420FF0161616	2"	50	135	90	15.6	1.61
180420RR0162020*	180420FF0162020*	2 1/2"	65	-	-	-	-
180420RR0162424*	180420FF0162424*	3"	80	-	-	-	-
180420RR0163232*	180420FF0163232*	4"	100	-	-	-	-

\*Valves available to special order

### Valve suitability

Product	Steam	Water	Drinking Water	Oil	Air (Oil Free)	Gas (Inert)	Gas (Combustible)	Gas (Corrosive)	Gas (Oxygen)
1804	x	✓	✓	✓	x	x	x	x	x

The fluid to be transported is limited to Group 2 liquids i.e. non-hazardous and on no account should these valves be used for any Group 2 Gases, Group 1 Liquids or Group 1 Gases.

### Max. working parameters

1804	Temperature °C	Pressure bar	Pressure psi
Water	-10 to +100	16	230

### Specification clauses:

Bronze body.

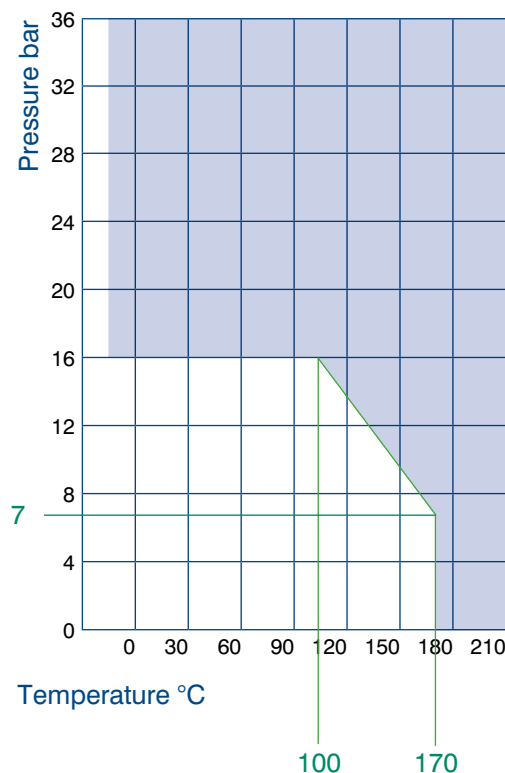
Bronze screw in cap.

Stainless steel SS304 screen, density 350 holes per square inch.

End connections, female taper threads to EN 10226-2 (ISO 7-1) and parallel threads to ISO 228.

WRAS approved for drinking water applications.

Suitable for low temperature hot water and chilled systems.





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